



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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नई दिल्ली, शनिवार, दिसम्बर 29, 1990 (पौष 8, 1912)
NEW DELHI, SATURDAY, DECEMBER 29, 1990 (PAUSA 8, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 29th December, 1990

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The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West),
Bombay-400 013.

The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and, Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Bldg.,
5th, 6th and 7th Floor,
234/4, Acharya Jagdish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by Bank Draft or Cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्य तथा अमिकस्य

कलकत्ता, दिनांक 29 दिसम्बर 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी हस्टेट,
सीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—''पेटेंटोफिस''

पेटेंट कार्यालय शाखा,
इकाई सं० 401 से 405, सीसरा तल,
नगरपालिका भाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—''पेटेंटोफिस''

- पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनीकाय तथा एमिनिदिवि द्वीप।

तार पता—''पेटेंटोफिस''

पेटेंट कार्यालय (प्रधान कार्यालय),
बिजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—''पेटेंटस''

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक द्राफ्ट अथवा चेक द्वारा की जा सकती है।

CORRIGENDUM

21st November, 1990

In the Gazette of India, Part-III, Section-2, dated 27th October, 1990 in Page No. 1194 in the matter of New Applications published in Column 1 and 2, read 1967/Bom/90 to 1978/Bom/90 as 67/Bom/90 to 78/Bom/90.

In the Gazette of India, Part-III, Section-2 dated October 20, 1990 in the Page No. 1167 regarding Patent Application No. 167376.

For (Divisional Application No. 347/Cal/86 Anti-dated to 18th March, 1987).

Read (Divisional Application No. 347/Cal/86 Anti-dated to 18th March, 1987).

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE
234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act 1970.

20th November, 1990

983/Cal/90. Siemens Aktiengesellschaft. Electrical switchgear having an insertable and retractable apparatus rack.

984/Cal/90. Devapriya Mukherjee. Exhaust liner Methanal/Fuels and I. C. engine for aldehyde pollution.

985/Cal/90. Sicpa Holding SA. Highly reactive printing inks.

986/Cal/90. Johnson & Johnson Consumer Products, Inc. Sun-screen compositions.

987/Cal/90. Hoechst Aktiengesellschaft. Continuous telomerization process.

22nd November, 1990

988/Cal/90. E. I. Du Pont De Nemours and Company. Sensor-holding device.

989/Cal/90. E. I. Du Pont De Nemours and Company. Radiographic elements with improved covering power.

990/Cal/90. Hoechst Aktiengesellschaft. Process for the preparation of 3, 4'-dichlorodiphenyl ether.

991/Cal/90. Hoechst Aktiengesellschaft. Azo compounds, preparation thereof and use thereof as dyes.

992/Cal/90. Hoechst Aktiengesellschaft. Azo compounds, their use as dyes.

23rd November, 1990

- 993/Cal/90. Sumitomo Chemical Company Limited. Fiber reactive red dye composition.

26th November, 1990

- 994/Cal/90. Proizvodstvennoe Obiedinenie "Vladimirsky Traktorny Zavod" USSR. Air cleaner.
- 995/Cal/90. Hitachi, Ltd. Gas-Blast Load-Break Switch.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BARNCH, 61, WALLAJAH ROAD, MADRAS-600 002

12th November, 1990

- 904/Mas/90. Kandenary Mohammed Moosa. Mechanised split-power transmission system.
- 905/Mas/90. F. Hoffmann-La Roche AG. Amino Acid Derivatives. (December 11, 1989; Great Britain).
- 906/Mas/90. Minnesota Mining and Manufacturing Company. Heat-shrinkable film having high shrinkage upon brief exposure to low activation.
- 907/Mas/90. Elken Aluminium ANS. Arrangement for gas collection in aluminium reduction cells.
- 908/Mas/90. Brevetti Gaggia S.P.A. Espresso Coffee Machine. (Divisional to Patent No. 6/Mas/87).

13th November, 1990

- 909/Mas/90. Danby Developments Inc. An insulating structure. (Divisional to Patent No. 17/Mas/87).
- 910/Mas/90. Maschinenfabrik Rieter AG. Method of continuously determining the fineness of fibres in slivers and corresponding apparatus for performing the method.
- 911/Mas/90. Maschinenfabrik Rieter AG. Circular comb.
- 912/Mas/90. Maschinenfabrik Rieter AG. Device for assisting the transfer of a fleece from the card main cylinder to the doffer roller.

14th November, 1990

- 913/Mas/90. Rhone-Poulenc Chimie. Process for the recovery of gallium from basic solutions containing it.
- 914/Mas/90. Maschinenfabrik Rieter AG. A stripper for cylinders or rollers.
- 915/Mas/90. Maschinenfabrik Rieter AG. A cooling system.
- 916/Mas/90. Shell Internationale Research Maatschappij B. V. Process for converting hydrocarbon oils. (November 16, 1989; Great Britain).
- 917/Mas/90. Minnesota Mining and Manufacturing Company. Disposable diaper with thermoplastic material anchored hook fastener portion.

- 918/Mas/90. Isoworth Limited. A container. (February 10, 1986; United Kingdom). (Divisional to Patent Application No. 79/Mas/87).

- 919/Mas/90. Thermon Manufacturing Company. An electrical heating cable. (Divisional to Patent Application No. 840/Mas/87).

- 920/Mas/90. Maschinenfabrik Rieter AG. Power Failure in the Card Room.

15th November, 1990

- 921/Mas/90. Minnesota Mining and Manufacturing Company. Thermoplastic adhesive mounting for an optical fiber connector.

- 922/Mas/90. ET Earth Technology Limited. A method and a device for making earthen blocks.

- 923/Mas/90. Periathabi Gopalasamy Jayapalan. An apparatus for automatic dim and bright control for the headlights of motor vehicles.

16th November, 1990

- 924/Mas/90. Minnesota Mining and Manufacturing Company. Adhesive fastening tabs.

- 925/Mas/90. Akzo N. V. Process for the preparation of alkylamine salts.

- 926/Mas/90. Du Pont-Howson Limited. Improvements in or relating to radiation sensitive devices. (November 21, 1989; United Kingdom).

ALTERATION

- 167850 : Ante-dated 17th July, 1985.
(672/Mas/88)

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Sandvik Asia Limited, Pune, on Patent Application No. 166567 made by Widia (India) Limited, Bangalore.

(2)

An opposition has been entered by Associated Cement Companies Limited to grant of a patent on application No. 166490 (843/Del/86) dated 24th September, 1986 made by National Council for Cement & Building Materials.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT 1970

Claim made by Mukund Iron L Steel Works Limited under Section 20(1) of the Patents Act 1970 to proceed the application for Patent No. 166404 in their name has been allowed.

PATENTS SEALED

(3)

166191 166205 166210 166244 166267 166369 166381 166389 166403
166406 166407 166409 166410 166420 166422 166447 166472

CAL—11
DEL—3
MAS—I
BOM—2

AMENDMENT PROCEEDINGS UNDER SECTION 57

Proposed amendments under Section 57 in respect of Patent No. 165813 (821/Mas/85) as advertised in the Gazette of India dated 7-7-90 have been allowed.

RENEWAL FEES PAID

147898 148028 148950 149138 149799 149859, 150328 150592 150764
150980 151667 152260 152429 152573 152693 152702 152871 152786
152985 153476 153490 153536 153577 153610 153612 154194 154484
154629 154905 154988 154989 155114 155115 155575 155609 155698
155771 156009 156400 156465 156691 156819 156873 156874 157901
158357 158358 158734 159109 159663 159666 159667 160079 160717
161017 161306 161517 161730 161792 161793 161795 161838 161911
161918 162072 162130 162592 162710 162944 162970 163026 163437
163440 163529 163791 164016 164168 164884 164949 164950 165372
165423 165446 165448 165588 165641 165649 165650 165748 165850
166127 166128 166329 166376

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 152807 dated the 10th March, 1981 made by Tractel Tirfor India Private Limited on the 19th February 1990 and notified in the Gazette of India, Part III, Section 2 dated the 21st July 1990 has been allowed and the said Patent restored.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 161819 granted to THE TATA IRON & STEEL CO. LTD. for an invention relating to "ROLLER ENTRY GUIDE FOR ROLLING CHANNELS".

The patent ceased on the 17th August 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th November 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 29th February, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 161529 granted to THAMBOOSWAMI JOSEPH DAVID for an invention relating to "IMPROVED ELECTRICAL FUSE HOLDER".

The patent ceased on the 3rd September 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th November 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 29th February, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 161956 granted to KIMBERLY-CLARK CORPORATION for an invention relating to "A WRAPPER CONSTRUCTION FOR SMOKING ARTICLE".

The patent ceased on the 7th August, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th November 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 29th February, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153576 granted to HERAEUS ELEKTRODENGmbH now assigned to DST S.A. for an invention relating to "ELECTRODE FOR ELECTROLYSIS CELLS".

The patent ceased on the 8th December, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th November 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 29th February, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153970 granted to THE SMALL TOOLS MANUFACTURING COMPANY OF INDIA LIMITED for an invention relating to "ROLLER ASSEMBLY FOR A TEA PROCESSING MACHINE, AND A TEA PROCESSING MACHINE INCORPORATING THE SAME".

The patent ceased on the 24th August, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th November 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 29th February, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153971 granted to THE SMALL TOOLS MANUFACTURING COMPANY OF INDIA LIMITED for an invention relating to "DEVICE FOR AXIAL MOVEMENT OF ROLLERS IN A TEA PROCESSING MACHINE, AND A TEA PROCESSING MACHINE INCORPORATING SUCH DEVICE".

The patent ceased on the 24th August, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th November 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 29th February, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160393 granted to W.S. INSULATORS OF INDIA LIMITED for an invention relating to "A VOLTAGE DEPENDENT NON-LINEAR RESISTOR ELEMENT AND METHOD OF MANUFACTURING THE SAME."

The patent ceased on the 12th December, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th November 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 29th February, 1991 under Rule 69 of the

Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160394 granted to W.S. INSULATORS OF INDIA LIMITED for an invention relating to "SURGE ARRESTERS".

The patent ceased on the 12th December, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th November 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 29th February, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(10)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153972 granted to THE SMALL TOOLS MANUFACTURING COMPANY OF INDIA LIMITED for an invention relating to "DEVICE FOR ADJUSTING RADIAL SPACE BETWEEN TWO ROLLERS IN A TEA PROCESSING MACHINE, AND A TEA PROCESSING MACHINE INCORPORATING SUCH A DEVICE."

The patent ceased on the 24th August, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th November 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 29th February, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(11)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 145250 granted to COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH for an invention relating to "A PROCESS AND APPARATUS FOR PRODUCING PRECAST FERROCEMENT CYLINDRICAL UNITS AND THE PRECAST FERROCEMENT CYLINDRICAL UNITS OBTAINED THEREFROM."

The patent ceased on the 29th December, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th November 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 29th February, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(12)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163684 granted to GAJANAN VITHAL SATHAYE for an invention relating to "SOLAR THERMAL CONCENTRATING DEVICE WITH THE PROVISION FOR THE FORMATION OF AN ENCLOSED INSULATED INSIDE SPACE."

The patent ceased on the 20th December, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th November 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 29th February, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कमी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्या में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होगी। प्रत्येक विनिर्देश का मूल्य 2/- रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रवर्तित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियाँ, यदि कोई हों, के साथ विनिर्देशों की दृकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रमार उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी आवश्यकता पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रमार 4/- रु० है) फोटो लिप्यान्तरण प्रमार का परिकलन किया जा सकता है।

CLASS : 40-B.

167821

Int. Cl. : B 01 j 31/00, 31/22.

A METHOD FOR SEPARATING A CATALYST FOR OLIGOMERIZATION AND POLYMERIZATION OF OLEFINS AND ALKYLATION OF AROMATIC HYDROCARBONS.

Applicant & Inventors : (1) NADIR MIR-IBRAGIM OGLY SEIDOV, OF BAKU, ULITSA T. ALIEVA, 67/71, KV. 116, USSR; (2) FAIG OMAR OGLY GUSEINOV, OF BAKU, ULITSA L. TOLSTOGO, TUPIK 5, 3 USSR; (3) TOFIC NIYAZ OGLY ALLAKHVERDIEV, OF SUMGAIT, 18 KVARTAL, 29A, KV. 8, USSR; (4) FARKHAD AKHAD OGLY ALIEV, OF BAKU, ULITSA MIKH-TADIRA, 5, KV. 12 USSR; (5) VALENTINA FEDOTVNA MAMEDOVA, OF SUMGAIT, 1 MIKRORION, 16, KV. 18, USSR; (6) KASUM GASAN OGLY KASUMOV, OF BAKU, ULITSA R. LUXEMBURG, 23, KV. 19, USSR; (7) ALEXI PAVLOVICH VOROZHEIKIN, OF NIZHNEKAMSK, SHKOLNY BULVAR, 8, KV. 15, U.S.S.R.

Application No. 120/Cal/1987 filed on February 11, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

1 Claim

A method for preparing a catalyst for oligomerization and polymerization of olefins and alkylation of aromatic hydrocarbons comprising reacting metallic aluminium with carbon tetrachloride in a mass ratio of Al : CCl₄ equal to 1 : 28.01 to 1 : 100 at a temperature with the range of from 40 to 100°C for a period of time sufficient for full consumption of aluminum, followed by recovery of the complex reaction product corresponding to the formula (Al₂Cl₆)_m C_n, wherein m = 1 to 3, n = 2 to 10 by filtration.

Compl. Specn. 15 Pages.

Drg. Nil.

CLASS : 32-F₂₀; 55-D₂.
Int. Cl. : C 07 c 118/00, 119/042.

167822

IMPROVED PROCESS FOR PREPARING ISOCYANATES.

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY,
LOCATED AT WILMINGTON, DELWARE, UNITED STATES OF AMERICA.

Inventor : VELLIYUR NOTT MALLIKARJUNA RAO.

Application No. 290/Cal/1987 filed on April 10, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

An improved process for preparing isocyanates of the formula R-NCO, wherein R is C₁₋₃ alkyl, by reacting a corresponding formamide of the formula R-NHCHO with Oxygen or an oxygen-containing gas at a temperature from 400°C to 800°C, in the presence of a known silver catalyst, wherein the improvement comprises feeding water and formamide in vapor form to provide a reaction feed mixture having a mole ratio of water to formamide from 0.1 to 10.0.

Compl. Specn. 10 Pages.

Drg. Nil.

CLASS : 182-A; 94-I.
Int. Cl. : C 13 d 1/00; 1/06.

167823

IMPROVEMENT IN OR RELATING TO A DEVICE FOR THE MANUFACTURE OF SUGAR FROM SUGAR CANE.

Applicant & Inventor : JAGDISH CHANDRA JAGOTA, OF 128, ACHARYA JADADISH BOSE ROAD, 'KARNANI SEATE' CALCUTTA-700017, WEST BENGAL, INDIA AND SHOBHA AGARWAL, OF ROAD NO. 20, BUNGLA NO. 1, PUNJABI BAGH EXTENSION, NEW DELHI, INDIA.

Application No. 419/Cal/1987 filed on May 26, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

18 Claims

A device for manufacturing sugar from sugar cane comprising a crushing unit and an evaporation unit wherein the crushing unit is an animal-driven unit having a vertical shaft driven by animal power, one end of said vertical shaft being in operational engagement with a long horizontal arm, the other end of the horizontal arm being provided with a gear wheel of larger dimension mounted on one end of a horizontal shaft while the other end of the horizontal shaft carrying the larger gear wheel is provided with a driving gear wheel adapted to drive two other gear wheels each mounted on one end of two independent horizontal shafts, the central portion of the three horizontal shafts above mentioned being provided with fluted rollers, a top roller and two bottom rollers wherein, the top roller is in meshing engagement with the two bottom rollers, there being a free space between the two bottom rollers, a curved guide plate being accommodated in the said free space and adapted to receive the material delivered on same from one direction and to deliver the same out from the other direction in between the meshing rollers, thereby ensuring that a crushing effect takes place between two sets of meshing rollers before the material reaches said curved plate and another crushing takes place between two other set rollers after the material leaves the curved plate, the juice thus obtained being collected in a collecting unit and thereafter, conveyed to a concentrator subsequent to usual refining stage and wherein, said concentrator is provided with a hot water unit, a concentrator unit, said hot water unit having a plurality of tubes adapted to receive flue gases from a firing chamber said tubes being held within a column or chamber having water inlet and water outlet means, said water outlet means being in operational association with a chamber in said concentration unit, the concentration unit being provided with a plurality of tubes adapted to receive sugar cane juice to be concentrated and wherein, the said concentration unit is provided with means for creating a vacuum as desired, the said unit also having water outlet means, sugar cane juice outlet means, vapour outlet means, said water outlet means being provided with means for recirculating the water to the hot water unit, said sugar cane juice outlet means being provided with discharge units for crystallizing the exhausted "RAB" (sugar plus molasses mixed in concentrated form) said vapour exhaust means being in operational association with a condensing unit for condensing a sugar cane juice vapours, water vapours and other condensibles, if any.

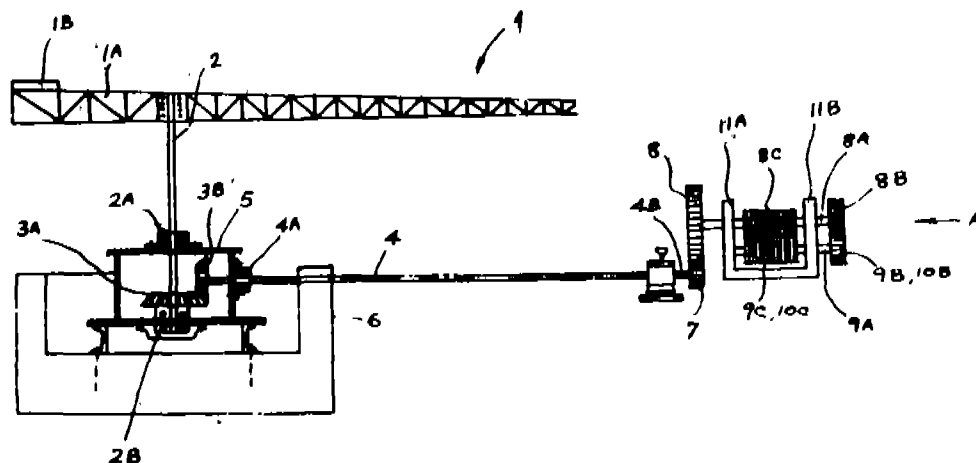


Fig. 1

Compl. Specn. 19 Pages.

Drgs. 2 Sheets.

CLASS : 63-A₃.

Int. Cl. : H 02 n 11/00.

167824

CLASS : 32-F_{K0}.

Int. Cl. : C 07 c 179/06.

167825

PIEZOELECTRIC MOTOR.

Applicant : KIEVSKY POLITEKHNIЧЕСKY INSTITUT IMENI 50-LETIA VELIKOI OKTYABRSKOI SOTSIALISTICHESKOI REVOLUTSI, OF KIEV, PROSPEKT POBEDY, 37, USSR.

Inventors : (1) VLADIMIR SERGEEVICH VISHNEVSKY, (2) VYACHESLAV VASILIEVICH LAVRINENKO.

Application No. 460/Cal/1987 filed June 12, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

1 Claim

A piezoelectric motor comprising a stator, a rotor frictionally interacting with the stator having a housing, a piezoelectric radial mode oscillator mounted on the housing, comprising piezoelectric cell disposed coaxially to the rotor and made in the form of a disk with electrodes, and at least two pushers, each of which has one end of each pusher resting against the rotor characterized in that the other end is secured at least on one flat surface of the piezoelectric cell so that a gap is provided between the piezoelectric cell and the pusher.

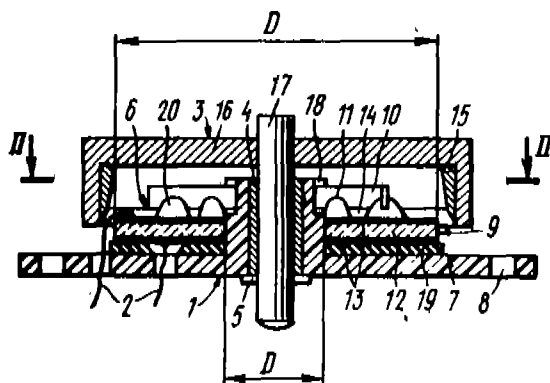


Fig. 1

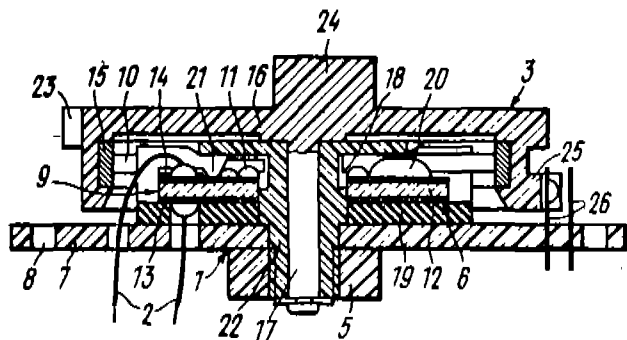


Fig. 5

Compl. Specn. 19 Pages.

Drg. 4 Sheets.

A PROCESS FOR THE CONTINUOUS PREPARATION OF DIALKANESULFONYL PEROXIDES.

Applicant : PENN WALT CORPORATION, THREE PARKWAY, PHILADELPHIA, PENNSYLVANIA 19102, UNITED STATES OF AMERICA.

Inventor : GREGORY ALAN WHEATON.

Application No. 501/Cal/87 filed on July 29, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

An improved process for the continuous preparation of dialkanesulfonyl peroxide by continuously electrolyzing a solution of an alkanesulfonic acid having 1-4 carbons at a sufficient current density to produce dialkanesulfonyl peroxide of the structure $RSO_2-O-O-O_2SR$ where R is alkyl of 1-4 carbons, characterized in that the concentration of the alkanesulfonic acid is between 50% and 100% by weight, in the electrolysis cell at an elevated temperature of between 30°C-70°C at which a substantial portion of the product dialkanesulfonyl peroxide is in solution, continuously removing the alkanesulfonic acid/dialkanesulfonyl peroxide mixture from the electrolysis cell to a cooling zone where the mixture is cooled below the temperature in the electrolysis cell to precipitate the dialkanesulfonyl peroxide, continuously recovering the insoluble solid dialkanesulfonyl peroxide product from the alkanesulfonic acid solution which is sent back to the electrolysis cell.

Compl. Specn. 12 Pages.

Drg. Nil.

CLASS : 63G.

Int. Cl. : B 62 j 6/00.

167826

DYNAMO FOR BICYCLES.

Applicant & Inventors : DIETER SCHURMANN AND BERND GUDEREIT, OF LESSINGSTR. 2, D-4800 BIELEFELD 1, WEST GERMANY AND HORSTER STR. 30, D-4800 BIELEFELD 18, WEST GERMANY.

Application No. 506/Cal/1987 filed on June 30, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

16 Claims

A dynamo for bicycles, comprising a housing adapted to securely mounted on the front wheel axle of the bicycle, said housing accommodating a stator, a rotor and a drive member, which is adapted to be driven by a bicycle wheel to set the rotor in a rotary motion, characterized in that the said drive member is mounted rotatably around

wheel axle and is adapted to be operatively connected with the wheel, and that the drive member forms part of an engageable and disengageable dynamo gearing which rotates the rotor in dependence on wheel rotation, and further that the said dynamo along with its housing are adapted to be securely connected to the wheel fork and are also adapted to be disposed away from the wheel axle.

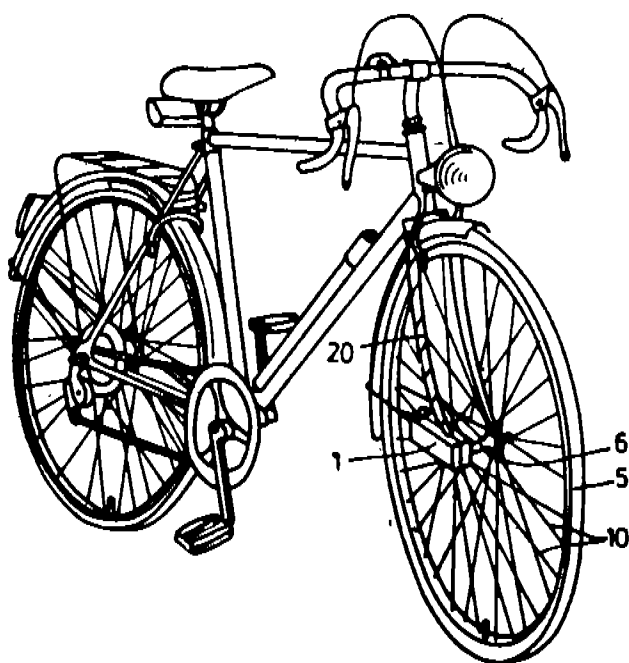


Fig. 1

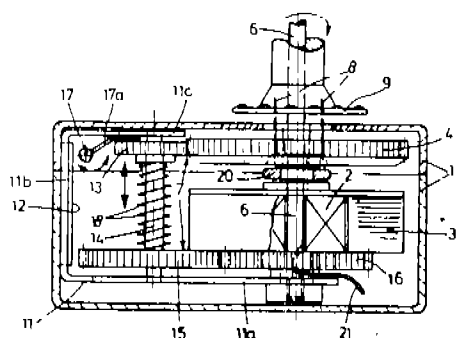


Fig. 3

Compl. Specn. 17 Pages.

Drg. 3 Sheets.

CLASS : 69 A.
Int. Cl. : H 02 h 3/42.

167827

ELECTRONIC OVERCURRENT TRIPPING DEVICE.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

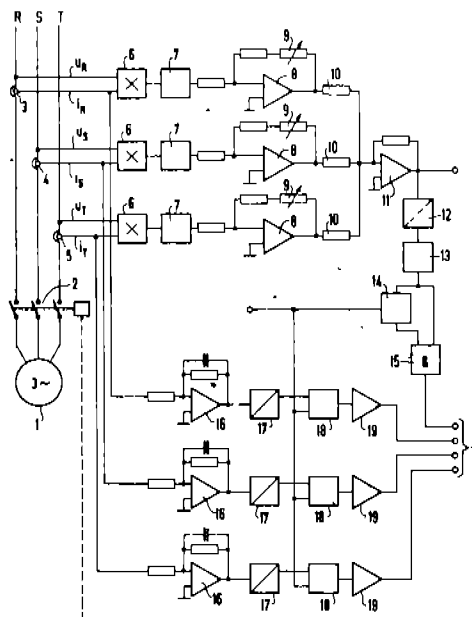
Inventors : (1) REINHARD MAIER, (2) KURT GOTH.

Application No. 541/Cal/1987 filed on July 14, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A multiphase electronic overcurrent tripping device with short-circuit current sensing from a multiphase grid with a grid frequency a comparison circuit and a tripping command transmitter, characterized in that a device for picking up voltage and for multiplication (6) of the instantaneous current and voltage values associated with each phase is provided and additionally is provided for the summation of the instantaneous powers of the individual phases in a summing device comprising resistors (10) and the sum is applied to an amplifier (11), the output of the amplifier being in functional connection with the tripping command transmitter in the event of a predetermined deviation and that the summing resistors (10) are preceded by band filters with a central passing frequency of which corresponds to twice the grid frequency.



Compl. Specn. 8 Pages.

Drg. 1 Sheet.

CLASS : 201-D.
Int. Cl. : C 02 f 3/00.

167828

PROCESS FOR PURIFICATION OF WASTE WATERS FROM METHANOL.

Applicant : VOLGO-URALSKY NAUCHNO-ISSLEDOVATELSKY I PROEKTNY INSTITUT PO DOBYCHE I PERERABOTKE SEROVODORODSODER ZHASCHIKH GAZOV (VOLGOURALNIPIGAZ), OF ORENBURG, ULITSA PUSHKINSKAYA, 20, USSR.

Inventors : (1) PETER ILICH GVOZYDAK, (2) ALEXEI DMITRIYEVICH DENIS, (3) NATALYA FEDOSEEVNA MOGILEVICH, (4) MARK BENYAMINOVICH TSINBERG, (5) MADEZHDA IGANOVNA GRISCHENKO, (6) OLGA NIKOLAEVNA ERZIKOVA.

Application No. 542/Cal/1987 filed on July 14, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

A process of purification of waste waters from methanol comprising neutralization of the waste waters with orthophosphoric acid, enrichment of the waste waters with nitrogen sources such as ammonium salts, which allow nitrogen in ammonium form NH_4^+ to be produced in the sewage, characterised by introduction of a novel strain *Methylomonas metanica* B-2576 as herein described, culturing said strain on enriched waste waters at a temperature of between 20 to 37°C for at least about 48 hours till purification thereof from methanol.

Compl. Specn. 12 Pages.

Drg. Nil.

CLASS : 68 E1.

167829

Int. Cl. : H 01 h 85/00.

A FUSE FOR AN ALTERNATING CURRENT POWER CIRCUIT AND THREE PHASE ALTERNATING CURRENT POWER CIRCUIT INCORPORATING SAME.

Applicant : Y. S. SECURITIES LIMITED, OF MEANWOOD ROAD, LEEDS, WEST YORKSHIRE LS6 2 BN, ENGLAND.

Inventors : (1) OAKES MARTIN CHRISTOPHER, (2) KLAUS DAVID WILLIAM.

Application No. 11/Cal/1988 filed on January 4, 1988.

(Convention dated 10th January, 1987; No. 8700530; U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A fuse for an alternating current power circuit, comprising an input terminal, a first contact electrically connected to the input terminal, an output terminal, a second contact electrically connected to the output terminal, a fusible element electrically connecting the first and second contacts and completing a normal electrical path between the input and output terminals, and an arcing contact positioned in relation to the first contact so as to form a potential arc path between the first contact and the arcing contact, along which path an arc will become established after the fusible element breaks in response to fault current, characterised in that the arcing contact is electrically connected to a third terminal and is electrically isolated from the output terminal.

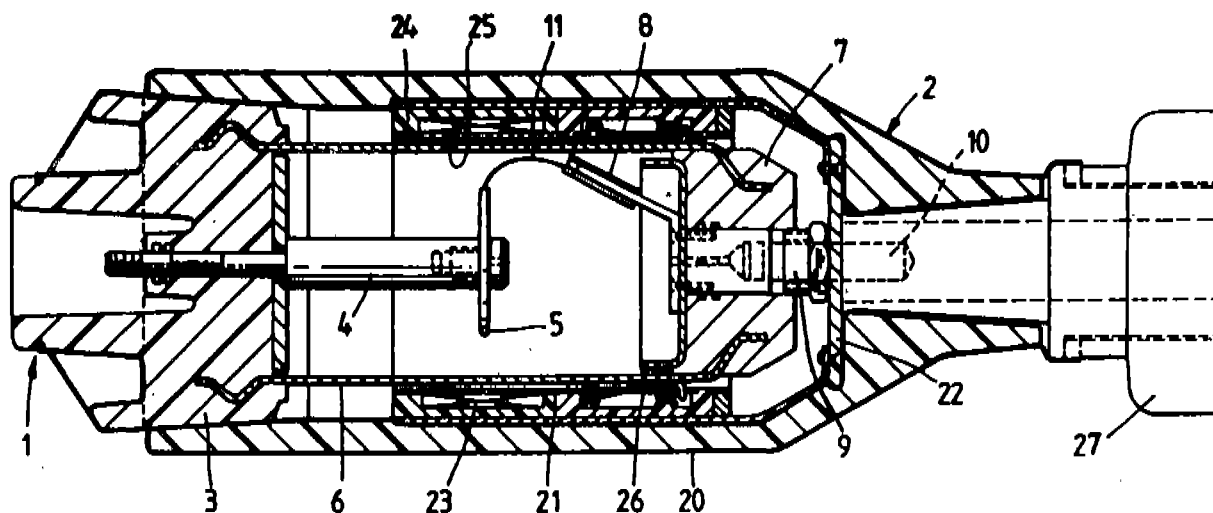


Fig. 1.

Compl. Specn. 14 Pages.

Drg. 4 Sheets.

CLASS : 55-E1; E4.

167830

Int. Cl. : A 61 k 35/78.

MEDICINE FOR CURING OR PREVENTING BAD EFFECT DOG BITE ON HUMANS OR ANIMALS.

Applicant & Inventor : DR. RAJANI KANTA SARKAR, 20/16/ A MURARI PUKUR ROAD, ULTADANGA, CALCUTTA-700067, WEST BENGAL, INDIA.

Application No. 528/Cal/1989 filed on July 7, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

A medicine for curing or preventing the bad effect of dogbite on humans or animals comprising (a) obtaining from the roots in particulate form of following plants (i), (ii) & (iii) by crushing :

- (i) *Alongium Hamarkii*—187 Mg.
- (ii) *Bamboosa Indika*-Root—187 Mg.
- (iii) *Calotropis Jigonitea*—187 Mg.
- (b) Obtaining an extract from the roots of following plants
- (iv) to (vii)
- (iv) *Gunga*-Root—375 Mg.
- (v) *Punarnoba*-Root Extract—16 Mg.
- (vi) *Stamonium*-Root Extract—16 Mg.
- (vii) *Seven-leaf tree* vark extract—16 Mg.
- (viii) *Zingiber* Extract—16 Mg.

by extracting the active ingredient by alcohol and evaporating the solvent and drying the extract, and (c) mixing the product of step (a) with step (b).

Compl. Specn. 4 Pages.

Drg. Nil.

Ind. Cl. : 144 E4.
Int. Cl⁴ : C 09 D-5/14.

167831

(e) curing the mixture at 20° to 150°C

Compl. Specn. 32 Pages.

Drg. 1 Sheet.

MARINE ANTI-FOULING PAINT PRODUCTION.

Applicant : INTERNATIONAL PAINT PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF 18 HANOVER SQUARE, LONDON W1A 2 BB, UNITED KINGDOM, MANUFACTURERS.

Inventor : KENNETH FORD BEXIER.

Application for Patent No. 359/Del/1986 filed on April 23, 1986.

Convention date May 2, 1985/8511144 (U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A process for producing a marine anti-fouling paint comprising reacting rosin and an aliphatic polyamine of the kind described herein containing at least one primary or secondary amine group to form a film-forming binder which is gradually dissolved in sea water and mixing the binder with a marine biocide of the kind described herein and a pigment having a solubility in sea water of not more than 10 parts million by weight.

Compl. Specn. 10 Pages.

Drg. Nil.

Ind. Cl. : 144 E4 (XII (3)).
Int. Cl⁴ : C 09 D 3/58.

167832

A PROCESS FOR COATING A SUBSTRATE WITH AN EPOXY FLUOROCARBON COMPOSITION.

Applicant : THE STANDARD OIL COMPANY, AN OHIO CORPORATION, HAVING A PLACE OF BUSINESS AT PATENT & LICENSE DIVISION, 200 PUBLIC SQUARE, CLEVELAND, OHIO 44114-2375, UNITED STATES OF AMERICA.

Inventors : PAUL JOSEPH GIORDANO & RICHARD CHESTER SMIERCIAK.

Application for Patent No. 640/Del/86 filed on July 17, 1986.

Appropriate Office for Opposition Proceedings (Rule No. 4, Patent Act, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

A process for coating an epoxy fluorocarbon coating composition on a substrate such as herein described, said process comprising the steps of;

- (a) dispersing a powdered fluorocarbon polymer with a particle size of less than 500 microns in an epoxy resin such as herein described;
- (b) adding a fluorosurfactant as herein described to the dispersion to form a mixture;
- (d) supplying the mixture to the substrate to form a coating; and

Ind. Cl. : 107 C 106 XLVII.
Int. Cl⁴ : F 02 M 39/00.

167833

A FUEL INJECTION APPARATUS.

Applicant : ORBITAL ENGINE COMPANY PROPRIETARY LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF WESTERN AUSTRALIA, OF 4 WHIPPLE STREET, PALCATTA, WESTERN AUSTRALIA, AUSTRALIA.

Inventor : MICHAEL LEONARD MCKAY.

Application for Patent No. 644/Del/86 filed on 18th July, 1986.

Convention date July 19th 1985/PH 1560/Australia.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch, New Delhi-5.

6 Claims

A fuel injection apparatus for an internal combustion engine having a combustion chamber, said fuel injection system comprising a metering device (130) for delivering a metered quantity of fuel into a gas forming a fuel gas charge, an injector (124) connected to said metering device and having an openable valve (143) through which the fuel gas charge can enter said combustion chamber, a regulator (10) connected to said metering device and said injector and comprising a fuel pressure regulator for controlling the pressure of the fuel and a gas pressure regulator (49) for controlling the pressure of the gas relative to the fuel pressure to maintain the gas at a predetermined pressure differential below the fuel, said fuel pressure regulator and said gas pressure regulator being integral with each other, said fuel pressure regulator having an adjuster to set the fuel pressure at one or two preselected pressures, said adjuster increasing the fuel pressure to the higher of said preselected pressures when the engine load increases above predetermined value.

Compl. Specn. 16 Pages.

Drgs. 3 Sheets.

Ind. Cl. : 205 H.
Int. Cl. : B 60 C 15/00 15/04.

167834

A PNEUMATIC TYRE.

Applicant : APSLEY METALS LIMITED, A BRITISH COMPANY OF LIVERY HOUSE, 169 EDMUND STREET, BIRMINGHAM B 3 2 JB, ENGLAND.

Inventors : ERIC HOLROYD & ANTHONY RICHARD WRIGHT.

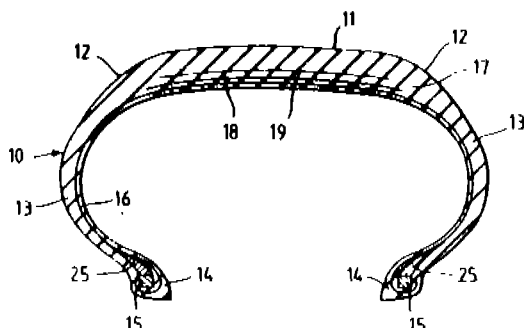
Application to Patent no. 654/Del/86 filed on July 21, 1986.

Convention date August 3, 1985/8519579 U.K.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

10 Claims

A pneumatic tyre (10) having a pair of axially spaced annular beads each bead being composed of a bead bundle and a cord reinforced carcass ply (16) extending between the annular beads (15) said carcass ply (1) being composed of a single continuous reinforcing cord (40) wound as a series of windings around a pair of support elements (22, 23) each in the form of a hoop whereby each support element is located within a respective series of cord loops which form the respective ends of the ply, each bead bundle comprising a plurality of hoops of wire bundled together with said support elements within their respective series of cord loops embedded within a respective bead bundle with the hoops of wire of each bundle laying outside the cord loops surrounding each support element whereby the respective ends of said carcass ply (16) are anchored with each bead bundle and the carcass ply firmly held between each annular bead.



Compl. Specn. 12 Pages.

Drgs. 2 Sheets.

Ind. Cl. : 50D.

167835

Int. Cl.⁴ : C 10 M 173/00.

A PROCESS FOR MAKING A WATER DISPERSIBLE HYDROCARBYL SUBSTITUTED SUCCINIC ACID AND/OR ANHYDRIDE/AMINE TERMINATED POLY (OXYALKYLENE) REACTION PRODUCTS.

Applicant : THE LUBRIZOL CORPORATION, A CORPORATION OF THE STATE OF OHIO, U.S.A., OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, UNITED STATES OF AMERICA.

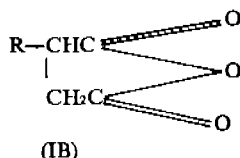
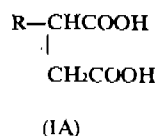
Application for Patent No. 679/Del/86 filed on 25th July, 1986.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch, New Delhi-5.

24 Claims

A process for making a water-dispersible hydrocarbyl substituted succinic acid and/or anhydride/amine terminated poly (oxyalkylene) reaction product comprising reacting :

- (a) at least one hydrocarbyl-substituted succinic acid and/or anhydride represented by the formulae IA or IB of the accompanying drawings



wherein R is a hydrocarbyl group of from 8 to 40 carbon atoms, with

- (b) at least one water-dispersible amine terminated poly (oxyalkylene) as herein described at a temperature ranging from the highest of the melt temperature of the reaction components (A) and (B) up to the lowest of the decomposition temperatures of the reaction components or products, wherein the ratio of components (A) to component (b) ranges from 0.1; 1 to 8. 1.

Compl. Specn. 34 Pages.

Drg. 2 Sheets.

Ind. Cl. : 32 A.

167836

Int. Cl.⁴ : C 09 B 67/00 & 67/02 & C 09 C 3/00.

IMPROVEMENTS IN METHODS OF AN APPARATUS FOR THE PRODUCTION OF COLORANT OR PIGMENT CONTAINING PELLETS.

Applicant : COLOR TECHNOLOGIES, INC., A MISSOURI CORPORATION, HAVING THE PRINCIPAL PLACE OF BUSINESS AT 616 E., 63RD STREET, KANSAS CITY, MISSOURI 64110, U.S.A.

Inventor : LAWRENCE EDWARD DELONG.

Application for Patent No. 696/Del/86 filed on July 30, 1986.

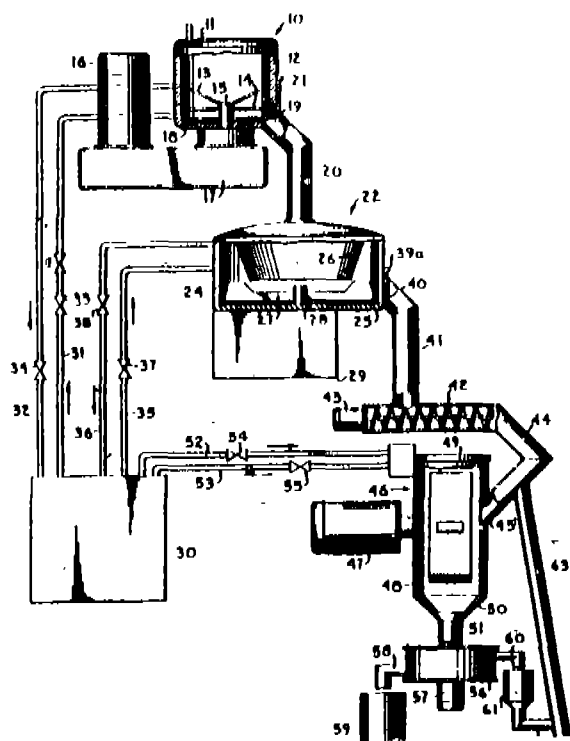
Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch, New Delhi-5.

22 Claims

A semi-continuous process of producing pigment containing pellets comprising the steps of :

- (1) placing an initial batch of the pigment and at least a quantity of a lubricant such as herein described in a high intensity mixer and mixing same until the temperature thereof has risen to a level effective to evaporate any moisture present substantially from said initial batch of pigment and lubricant and further to melt the said lubricant,
- (2) opening the high intensity mixer, scraping down the sides thereof to reconstitute the batch in the mixer and removing any moisture from the top portion thereof,
- (3) adding a quantity of at least 14% by weight of the batch of a lower molecular wax to said heated, mixed, initial batch in said high-intensity mixer and further mixing same at high intensity until the said wax containing initial batch has reached a temperature at which the low molecular wax melts,
- (4) transferring the said batch impregnated with the melted low molecular wax to a cooler mixer having an internal heat exchanging surface therein for cooling said batch,
- (5) continuously mixing said transfer batch in said cooler mixture under cooling conditions so as to lower the transfer batch temperature until said batch returns to a solid state and begins to break up into chunks and particles under said combined cooling and mixing action,

- (6) continuing the latter mixing under cooling conditions in the cooler mixer until the chilled, now solid transferred batch has been substantially reduced to particles and chunks of a predetermined minimum size.
- (7) thereafter passing said latter particles and chunks of said minimum size from said chiller mixer to a pelletizing mill wherein lesser size pellets of said batch material are produced, and
- (8) passing said pellets produced from said pelletizing mill to a classifier and there separating off size materials from finished product size pellets.



Compl. Specn. 35 Pages.

Drugs 2 Sheets.

Ind. Cl. : 140 A₂.
Int. Cl.⁴ : C 10 M 125/00.

167837

A FUEL COMPOSITION FOR INTERNAL COMBUSTION ENGINES.

**Applicant : THE LUBRIZOL CORPORATION, OF 29400
LAKELAND BOULEVARD WICKLIFFE, OHIO 44092 U.S.A. A
CORPORATION OF THE STATE OF OHIO, U.S.A.**

Inventor : THOMAS EMMETT JOHNSTON & CASPER
JOHN DORER JR.

Application for Patent No. 708/Del/86 filed on August 5, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

8 Claims

A fuel composition for internal combustion engines comprising a liquid hydrocarbon fuel such as herein described which is either lead

free or contains less than 0.5 gram of lead per liter of fuel and an additive comprising (A) at least one hydrocarbon-soluble alkali or alkaline earth metal salt of a sulfur acid, a phosphorus acid, a carboxylic acid or a phenol and (B) at least one hydrocarbon-soluble ashless dispersant such as herein described, the amount of alkali of alkaline earth metal being from 1 to 100 parts per million parts of said fuel and the amount of dispersant being from 50 to 500 parts by weight of said fuel and the weight ratio of (A) to (B) is from 4 : 1 to 1 : 4.

Compl. Specn. 68 Pages.

Dr. Nfl.

Ind. Cl. : 114 A & F.
Int. Cl.⁴ : C 14 C 1/00.

167838

AN IMPROVED METHOD FOR PRODUCING LEATHER FOR PRODUCING LEATHER GOODS FROM ANIMAL SKINS AND HIDES.

Applicant : ROHM GMBH, A GERMAN BODY COR-
PORATE, OF KIRSCHENALLEE 6100 DARMSTADT 1,
FEDERAL REPUBLIC OF GERMANY.

Inventors : JURGEN CHRISTNER, ERNST PFLEIDERER
AND TILMANN TAEGER.

Application for Patent No. 808/Del/86 filed on September 11, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

8 Claims

An improved method for producing leather for producing leather goods of the kind as herein described from animal skins and hides, said method comprising carrying out in a manner known per se the following steps :

(A) beamhouse processes which include the steps of

(a) soaking

(b) loosening the hair and opening up the hide (liming or painting)

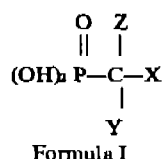
(c) delirium and bating

(d) pickling the delimed and bated hides, and

(B) tanning process, and

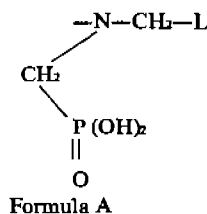
(C) the wet operations of leather manufacture, characterised in that

a phosphonic acid derivative of the formula I of the drawings

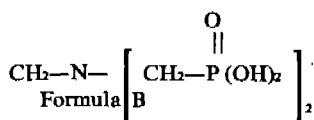
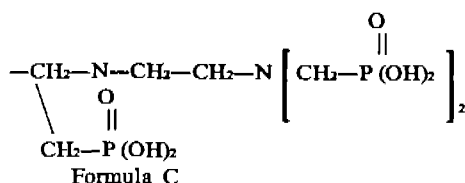


Formula I

wherein Z and Y represent hydrogen and X represents a group $-\text{CH}_2\text{COOH}$ or a group of formula A of the drawings



wherein L represents a group $-\text{P(OH)}_2$, or group of formula B of the drawings or formula C of the drawings



or the ammonium, alkali or alkaline earth metal salts thereof of X represents a group $(-\text{CH}_2)_n\text{---COOH}$ wherein n is a number from 0 to 4,

or wherein Z represents an alkyl group with 1 to 3 carbon atoms, Y represents an OH group and X represents a group $-\text{P} \begin{array}{c} \text{O} \\ || \\ \text{O} \end{array} (\text{OH})_2$,

or wherein Z represents hydrogen or a group $-\text{COOH}$, Y represents a group $-\text{CH}_2\text{COOH}$ and X represents a group $-(\text{CH}_2)_2\text{COOH}$ is used as a surface active substance during at least one of said processes, together with a known surface active substances as herein described and enzymes as herein described.

Compl. Specn. 30 Pages.

Drg. 1 Sheet.

Ind. Cl. : 35 E [XXV (2)].
Int. Cl. : C 04 B—35/06.

167839

AN IMPROVED PROCESS FOR THE PRODUCTION OF HIGHLY DENSE SINTERS OF DOLOMITE-MAGNESITE CALCITE AND MIXTURES THEREOF.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : GAUTAM BANERJEE, RAMNARAYAN SINHA, ABDUS SALIM, SAMIR KUMAR DAS, SATTI PRASAD CHOWDHURY AND ARUP GHOSH.

Application for Patent No. 889/Del/86 filed on October 7, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

6 Claims

An improved process for the production of highly dense sinters of dolomite, magnesite calcite and mixtures thereof which comprises subjecting high purity of the kind as herein described dolomite magnesite or calcite having either cryptocrystalline fine grained or coarse grained or highly coarse grained texture to crushing and grinding to assorted sizes ranging from 240 mesh B.S. to 350 mesh B.S., calcining the ground materials at $950^\circ\text{--}1200^\circ\text{C}$, then holding at the maximum temperature of calcination for 0.10-5 hours, powdering the calcined materials, hydrating with moisture to saturation drying off the excess moisture at $120^\circ\text{--}150^\circ\text{C}$ pressing it into briquettes at a pressure of 1000 Kg/cm² to 4500 Kg/cm², with or without known binder and firing the briquettes at a temperature in the range of $1500^\circ\text{--}1600^\circ\text{C}$, for 2 to 5 hours.

Compl. Specn. 20 Pages.

Drg. Nil.

Ind. Cl. : 32F3C.

167840

Int. Cl. : C 07 C 31/13.

PROCESS FOR THE PREPARATION OF 3, 5-XYLENOL.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001.

Inventors : GURAJADA SARABHA SALVAPATI, KHAN-DAVILLI VENDATA RAMANMURTY, MULPURI JANAR-DANA RAO & RAJAGOPALAN VAIDYESWARAN.

Application for Patent No. 1050/Del/87 filed on December 8 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

4 Claims

A process for the preparation of 3, 5-xyleneol from isophorone which comprises passing isophorone in a vapour form in an inert atmosphere over a catalyst consisting of a alloy of 18% chromium, 10% nickel, 70% iron, 2% manganese continuously at temperature in the range of $450^\circ\text{--}600^\circ\text{C}$ and space velocity of 0.5-2 per hour, weight per weight of catalyst, condensing the resultant liquid product, separating the unreacted isophorone from 3-5 xyleneol by methods such as herein described and recycling to the feed.

Compl. Specn. 9 Pages.

Drg. Nil.

Ind. Cl. : 62-A-[XXII(1)].
Int. Cl. : C 11 D 3/395.

167841

SILICATE-FREE AND MAGNESIUM-FREE STABILIZER MIXTURE FOR STABILIZING AQUEOUS PEROXIDE BLEACHING BATHS.

Applicant : HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF HENKELSTRASSE 67, DUSSELDORF, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) BERND-DIETER BAHR, (2) HILDEGARD VAN DELDEN, (3) WOLFGANG LILLOTTE, ULRICH RALL.

Application No. 585/Mas/86 filed on July 22, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

Silicate-free and magnesium-free stabilizer mixture for stabilizing aqueous peroxide bleaching baths based on organic acids and/or salts thereof, comprises :

- (a) known hydroxy and/or polyhydroxy carboxylic acids or their alkaline and/or ammonium salts
- (b) known polyacrylic acids.
- (c) known amino and/or polyamino phosphonic acids or their alkaline and/or ammonium salts wherein the weight ratio of the components A : B : C is 1 to 6 : 0.2 to 1 : 0.4 to 4.

Compl. Specn. 15 Pages.

Drng. Nil.

Ind. Cl. : 32 A (2) [GROUP IX (1)].
Int. Cl.⁴ : C 09 b 29/00.

167842

PROCESS FOR THE PREPARATION OF MANOAZO DYESTUFFS.

Applicant : CASSELLA AKTIENGESELLSCHAFT, HANAUER LANDSTRASSE 526, 6000 FRANKFURT AM MAIN 61, WEST GERMANY, A BODY CORPORATE, ORGANISED UNDER THE LAWS OF GERMANY.

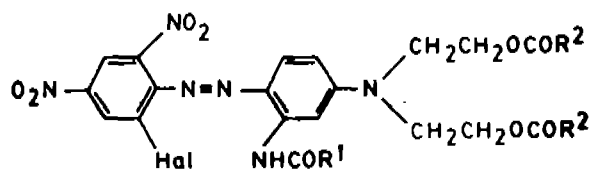
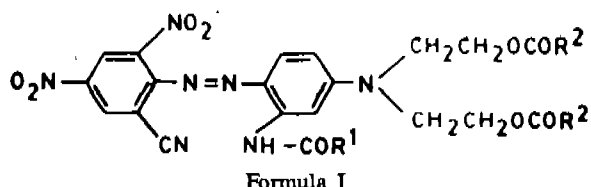
Inventors : (1) ULRICH BUHLER, (2) HORST TAPPE, (3) REINHARD KUHN, (4) ALBERT BODE, (5) MARGARETA BOOS.

Application No. 613/Mas/86 filed on July, 31 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

2 Claims

Process for the preparation of monoazo dyestuffs of the general formula I of the accompanying drawings, in which R¹ denotes alkyl having 1 to 3 C atoms and R² denotes methyl, ethyl or alkoxy which has 1 to 4 C atoms and is substituted by methoxy or ethoxy, characterized in that an azo dyestuff of the formula II of the accompanying drawings in which Hal denotes a halogen atom is subjected to a nucleophilic replacement reaction with a metal cyanide, a complex metal cyanide or a combination of an alkali metal cyanide and copper I cyanide in an inert organic solvent at a temperature between 20 and 150°C.



Compl. Specn. 20 Pages.

Drngs. 2 Sheets.

Ind. Cl. : 32 F 3 [GROUP IX (1)].
Int. Cl.⁴ D 01 F 6/14.

167843

PROCESS FOR THE PREPARATION OF POLYVINYL ALCOHOL ARTICLES OF HIGH STRENGTH AND MODULUS.

Applicant : STAMICARBON B. V. MUJWEG 1, 6167 AC GELEEN, THE NETHERLANDS, A DUTCH COMPANY.

Inventors : (1) RONALD MICHAEL ALEXANDER MARIA SCHELLEKENS, (2) HENDRIKUS JOHANNES JOZEF RUTTEN, (3) PIETER JAN LEMSTRA.

Application No. 629/Mas/86 filed on August 5, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

Process for the preparation of a shaped article such as herein described having a high tensile strength and modulus from polyvinyl alcohol, comprising the steps of

- (a) a converting in a known manner a 5 to 50 wt. % solution of a polyvinyl alcohol with a weight-average molecular weight of between 2.5×10^4 and 5×10^5 in water into a shaped, water-containing article at a temperature above the dissolution temperature;
- (b) rapidly cooling this article below freezing temperature to form a gel article having a homogenous gel structure;
- (c) removing the water present in this gel article at a temperature below the melting point of the gel;
- (d) stretching the gel article at a temperature above the glass transition temperature but below the decomposition temperature of polyvinyl alcohol with a stretch ratio of at least 10 : 1 during or after the water removal to obtain the said shaped article.

Compl. Specn. 11 Pages.

Drng. Nil.

Ind. Cl. : 172 D 4 [GROUP XX].
Int. Cl.⁴ : D 01 H 7/882.

167844

A METHOD AND AN APPARATUS OF PRODUCING YARN BY OPEN END FRICTION SPINNING.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, GERMANY, A COMPANY ORGANISED UNDER THE LAWS OF WEST GERMANY.

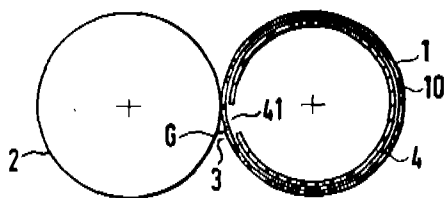
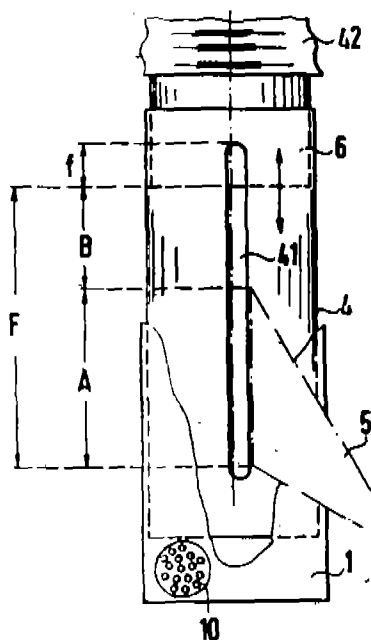
Inventor : WERNER BILLNER.

Application No. 631/Mas/86 filed on August 5, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A method of producing yarn by open end friction spinning in which fibres are twisted together in a spinning nip formed by two friction rollers, which are arranged closely adjacent one another and are driven in the same direction, along a suction slit twisting zone to form a yarn and the yarn is taken from the spinning nip, wherein the spinning is carried out for each differing fineness of yarn produced with a length of the suction opening previously adapted to the desired yarn fineness.



Compl. Specn 10 Pages.

Drgs. 2 Sheets.

Ind. Cl. : 17A2 [GROUP XIV (2)].
Int. Cl.⁴ : C 12 P 7/06.

167845

AN IMPROVED PROCESS FOR THE PRODUCTION OF ALCOHOL.

Applicant : SOCIETE DES PRODUITS NESTLE S.A. CASE POSTALE 353, 1800 VELEY, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

Inventor : VLADIMIR KALINA.

Application No. 653/Mas/86 filed on August 12, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

An improved process for the production of alcohol by continuous microaerobic fermentation of a must such as herein described in a fermentation vat by continuously injecting fresh must into the said fermentation vat, continuously removing the fermented must from the vat and separating the alcohol from the must by distillation, wherein the growth of the yeast in the vat is inhibited by limiting the concentration of assimilable phosphate in the must and the yeast in the vat is regenerated by continuous injection of fresh yeast into the vat, fresh must corresponding to 0.1 to 0.3 times of the volume of must present in the fermentation vat is injected hourly into the said fermentation vat, the fermentable sugar content of the must being 100 to 200 g/l, fresh yeast corresponding to 0.2 to 0.5% of the weight of the yeast in the fermentation vat is injected hourly into the said fermentation vat, the must in the vat containing 30 to 80 g dryweight of yeast per litre, and the concentration of assimilable phosphate being limited to a value of from 0.01 to 0.2 g/l in the injected fresh must by the addition of a soluble aluminium salt.

Compl. Specn. 13 Pages.

Drg. Nil.

Ind. Cl. : 128 K [GROUP XIX (2)].
Int. Cl.⁴ : A 61 D 1/00.

167846

AN APPLICATOR TO SUTURE THE OPERATED EDGES IN THE VETERINARY PRACTICES.

Applicant : DABBIR BALA KRISHNA RAO, S/O D. RAMA RAO OF CUDDAPAH, C-27, A. P. HOUSING BOARD COLONY, CUDDAPAH-516004, AN INDIAN NATIONAL.

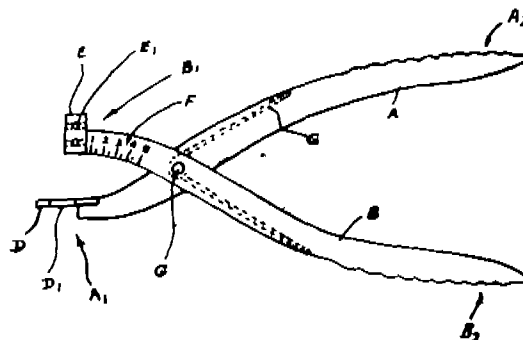
Inventor : DABBIR BALA KRISHNA RAO.

Application No. 760/Mas/86 filed on September 26, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

An applicator to suture the operated edges in veterinary practice comprising a pair of arms movably secured to and crossing each other at fulcrum point, a slotted plate provided at the end near the fulcrum point of one arm for facilitating to let out the suturing material, a drilled bit provided at one end of the other arm and near the fulcrum point for holding needle, the other ends of the said arms being the gripping ends.



Compl. Specn. 6 Pages.

Drg. 1 Sheet.

Ind. Cl. : 69 N [GROUP LIX (1)].
Int. Cl.⁴ : H 01 H 9/46; H 01 H 33/24.

167847

ISOLATING SWITCH OF A METALCLAD INSTALLATION WITH AN ANNULAR EARTHED METAL ENCLOSURE.

Applicant : MERLIN GERIN, OF RUE HENRI TARZE, 38050 GRENOBLE CEDEX, FRANCE, A FRENCH COMPANY.

Inventor : JEAN KIEFFER

Application No. 957/Mas/86 filed on December 9, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

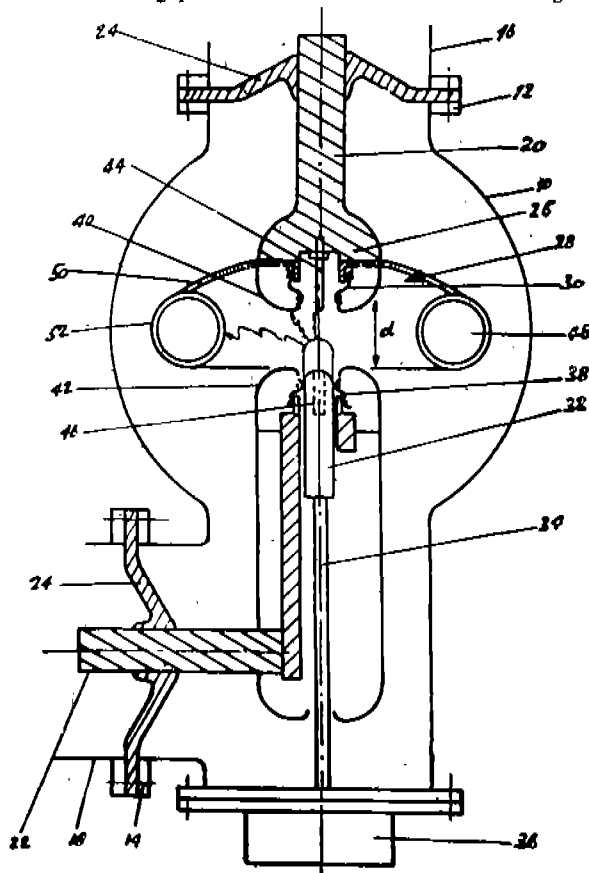
An isolating switch of metalclad installation with an annular earthed metal enclosure filled with a high dielectric strength gas, such as hexafluoride comprising :

a movable contact in the form of a sliding pin capable of moving to a closed position engaged with an aligned stationary contact, and to an open position separated from said stationary contact by an isolation gap,

a field distribution shield in the form of a fixed cover covering the end of the stationary contact to which it is electrically connected and having a central opening for the movable contact pin to pass through in the closed position of the isolating switch,

a field distribution shield in the form of a cover associated with the movable contact and arranged to cover the end of the movable contact in the open position, and electrically connected to the movable contact,

and an annular electrode in the shape of a ring having its axis aligned with said contacts, disposed coaxially around said isolation gap, and fitted between this gap and the metal enclosure to pick up an arc liable to migrate from said gap to said enclosure, said ring being electrically connected to the stationary contact and having an axial length equivalent to that of said gap so as to surround it over its whole length.



Compl. Specn. 10 Pages.

Drig. 1 Sheet.

3—G—387 GL/90

Ind. Cl. : 32 F 3 a [GROUP IX (1)]
Int. Cl.⁴ : C 07 C 103/18.

167848

A METHOD OF PREPARING A FUMARAMIDE COMPOUND USEFUL FOR TREATING PSORIASIS.

Applicant : DEXTER BIOTECHNICS INC., A CORPORATION OF THE STATE OF NEW YORK OF 845 EDGEWATER ROAD, BRONX, NEW YORK, U.S.A.

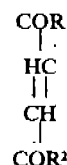
Inventor : IZHAK BLANK.

Application No. 611/Mas/88 filed on August 30, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

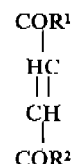
17 Claims

A method of preparing a compound of formula



in which R¹ and R² are the same or different and each is :

- (a) (i) residue of an amino acid provided that only one of R¹ and R² is a residue of glycine,
- (ii) an ester of an amino acid provided that only one of R¹ and R² is the isopropyl ester of valine,
- (iii) a salt of an amino acid,
- (iv) a peptide of two or more amino acids provided that if R¹ and R² are the same peptide, then at least one of the amino acids is different from glycine, or
- (v) an ester of a peptide of two or more amino acids;
- (b) a residue of an amino compound selected from the group consisting of an alkylamine, an alkylamine and an arylamine or
- (c) a hydroxyl group provided that only one of R¹ and R² is hydroxyl, wherein the said amino acid is selected from the group consisting of glycine, serine, proline, valine, histidine, methionine, threonine, leucine, isoleucine, cysteine, cyctine, methionine, phenylalanine, tyrosine, proline, hydroxyproline, tryptophan, aspartic acid, glutamic acid, lysine and arginine the said method comprising reacting a compound selected from the amino acid, an ester of the amino acid, a salt of the amino acid, a peptide of two or more of the amino acids, an ester of a peptide of two or more of the amino acids, an alkylamine, an alkylamine and an arylamine, with an aqueous solution of sodium hydroxide and adding fumaryl chloride followed by separating the compound of formula



from the reaction product in a known manner and if desired converting it to its pharmaceutically acceptable salt in a known manner.

Compl. Specn. 14 Pages.

Drig. Nil.

Ind. Cl. : 208-[GROUP-XLII (6)].
Int. Cl.⁴ : G 09 B 11/04.

167849

A TEACHING APPARATUS FOR PROVIDING TRAINING IN COPYING GRAPHIC MATTER.

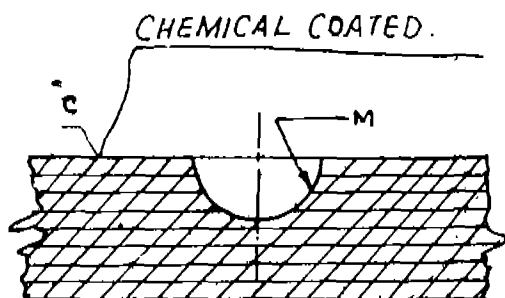
Applicant & Inventor : YELAKANTI MOHAN RAO, H. NO. 12-11-277 WARASIGUDA, SECUNDERABAD-500 361, ANDHRA PRADESH, INDIA, INDIAN NATIONAL.

Application No. 144/Mas/87 filed on March 3, 1987.

Appropriate Office, for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A teaching apparatus for providing training in copying graphic matter comprising a panel whose surface has grooves thereon of graphic configuration, wherein at least the surface of the grooves has a dry coating thereon of a composition prepared from one or more of each of the substances, such, herein described, namely (i) a polymer, (ii) a solvent, (iii) a filler, (iv) an abrasive and (v) a colouring matter.



Compl. Specn. 9 Pages.

Drg. 1 Sheet.

- (a) at least one relatively low equivalent weight epoxyresin having an average of more than one vicinal epoxy group per molecule;
- (b) at least one extender material such as herein described having an average of two active hydrogen atoms per molecule which are reactive with vicinal epoxy groups; and
- (c) at least one of (1) one or more known catalysts for promoting the reaction between components (A) and (B); (2) one or more known epoxyresin curing agents; or (3) a combination of (1) and (2); wherein components (A), (B) and (C) are present in quantities which provide from 0.1 to 0.9 active hydrogen equivalent in component (B) per epoxide equivalent in component (A); from 0.05 to 0.9 equivalent of component (C2) per epoxide equivalent in component (A) and the combined equivalents of components (B) and (C2) per epoxide equivalent in component (A) is from 0.15 : 1 to 1.1 : 1; from zero to 0.1 mole of component (C1) per epoxide equivalent in component (A); thereby in the absence of a solvent to the extent that the melt viscosity of the composition has increased to a value which is at least 20 percent greater than the melt viscosity of the initial mixture of components (A), (B) and (C) and the composition is melt flowable at or below 250°C; the said composition is reacted with at least one curing agent such as herein described; and wherein the components are employed in an equivalent ratio of (A) : (B) : (C + the said curing agent) of from 1 : 0.1 : 0.5 to 1 : 0.9 : 0.2; the combined equivalents of components (B), (C2) and the said curing agent per epoxide equivalent in component (A) is from 0.6 : 1 to 1.1 : 1.

Compl. Specn. 38 Pages.

Drg. 2 Sheets.

Ind. Cl. : 152 E.

167851

Int. Cl.⁴ : C 23 C 22/00.

POWDER COATING COMPOSITIONS AND PROCESS FOR PREPARING THE SAME.

Applicant : INTERNATIONAL PAINT PUBLIC LIMITED COMPANY, OF 18 HANOVER SQUARE, LONDON, W 1 A 2 BB, UNITED KINGDOM, A BRITISH COMPANY.

Inventors : ALASTAIR ROBERT MARRION.

Application for Patent No. 594/Del/86 filed on July 8, 1986.

Convention date July 17, 1985/8517972/(U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

19 Claims

A powder coating composition comprising a component (A) containing carboxylic acid or anhydride functional group and a component (B) containing hydroxy functional group the components (A) and (B) both being solids at temperatures upto 50°C and at least one of (A) and (B) being a synthetic resin having a glass transition temperature in the range 0 to 120°C, characterised in that the carboxylic acid or anhydride functional component (A) is a compound or polymer containing at least two cyclic carboxylic anhydride groups

Ind. Cl. : 32-E-[GROUP-IX (I)].
Int. Cl.⁴ : C 08 G 59/02.

167850

A PROCESS FOR THE PREPARATION OF AN EPOXY-RESIN COMPOSITION.

Applicant : THE DOW CHEMICAL COMPANY, A CORPORATION AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, OF 2030 DOW CENTER, ABBOT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventors : (1) JAMES L. BERTRAM, (2) JODY R. BERMAN, (3) JAMES A. CLARKE, (4) LOUIS L. WALKER.

Application No. 672/Mas/88 filed on September 27, 1988.

Divisional to Patent No. 164957 (553/Mas/85); Ante-dated to July 17, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A process for preparing a partially advanced epoxy resin composition which process comprises reacting :

per molecule or is a compound containing a moiety of the formula I of the drawings where X is a hydrogen atom or an alkyl group, or a cyclic anhydride thereof,

provided that the carboxylic acid or anhydride-functional component (A) does not contain an olefinically unsaturated double bond in the alpha, beta or beta, gamma position with respect to any carboxylic acid or anhydride group and

provided that if the component (A) is an addition polymer the carboxylic acid or anhydride groups are separated from the addition polymer chain by at least one intervening carbon atom and

the hydroxy-functional component (B) contains at least two hydroxyl groups per molecule and contains at least one amine group in its molecule to catalyse the reaction of the carboxylic acid or anhydride groups of component (A) with the hydroxy groups of component (B) when said composition is applied to a substrate at 120°C to 220°C, the proportion of (A) to (B) being such as to provide 0.9 to 2.2 carboxylic acid equivalents in (A) per hydroxy group in (B), where a carboxylic acid group in a moiety of the above formula is calculated as one carboxylic acid equivalent and a carboxylic anhydride group is calculated as two carboxylic acid equivalents.

Compl. Specn. 23 Pages.

Drg. 3 Sheets.

Ind. Cl. : 4 (A 4+C) LIII (1).
Int. Cl.⁴ : B 64 C 27/04.

167852

AN INTEGRATED HUB-MAST FOR A GYROPLANE ROTOR

Applicant : AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF FRANCE, PARIS-75016, FRANCE.

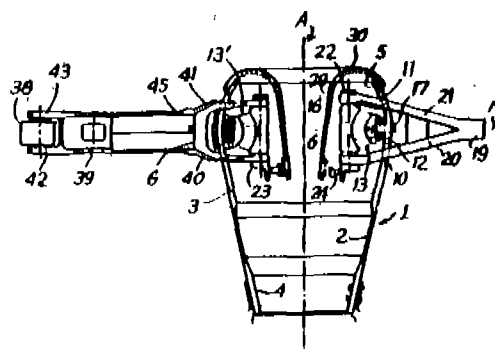
Inventors : RENE LOUIS MOUILLE & JEAN LUC LEMAN.

Application for Patent No. 636/Del/86 filed on July 16, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

15 Claims

An integrated hub-mast for a gyroplane rotor which comprises a tubular mast-forming part (2) one end of which is in the form of a foot (4) by means of which the hub-mast is rotated about an axis (A) of said mast-forming part (2) and the other end opposite to said foot (4) is firmly secured to a part forming a hub-body (3) coaxial with said mast-forming part (2) and to which the rotor blades are adapted to be connected, said hub-body (3) constituting a tubular extension of said mast-forming part (2) and having formed therein pairs of openings (10, 11) equal in number to the number of blades of the rotor, said openings (10, 11), being evenly spaced apart circumferentially about the periphery of said hub-body (3) with the openings (10, 11) of each pair being spaced axially from each other, a reinforcing girdle (6) of a composite material formed of high mechanical strength unidirectional mineral or synthetic fibres wound and agglomerated by means of synthetic and hardened resin being fixed to said hub-body (3) against the internal or external surface thereof, said girdle (6) being located between the two openings (10, 11) of each pair of said openings.



Compl. Specn. 30 Pages.

Drg. 5 Sheets.

Ind. Cl. : 32 E.
Int. Cl.⁴ : C 08 F 16/10.

167853

A COMPOSITION SUITABLE FOR USE AS A THICKENING AGENT.

Applicants : THE B.F. GOODRICH COMPANY, A NEW YORK CORPORATION, OF 500 SOUTH MAIN STREET, AKRON, OHIO, 44318, UNITED STATES OF AMERICA.

Inventors : ROBERT YEATS LOCHHEAD, THOMAS ROCHARD GEORGE, BANKS WILLIAM LARRY.

Application for Patent No. 665/Del/86, filed on July 23, 1986

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

9 Claims

A composition suitable for use as a thickening agent which comprises a mixture of mineral spirit of the kind such as herein described, a polymer of at least one olefinically unsaturated carboxylic acid containing at least one activated carbon-to-carbon olefinic double bond, said polymer being dispersed in said mineral spirit and an elastomer of the kind such as herein described for the purpose of stabilization against settling, said elastomer being swellable in said mineral spirits.

Compl. Specn. 19 Pages.

Drg. Nil.

Ind. Cl. : 104C (XII) (1).
Int. Cl.⁴ : C 08 C 1/02.

167854

PROCESS FOR THE PRODUCTION OF EPOXIDISED NATURAL RUBBER FROM FRESH NATURAL RUBBER FIELD LATEX

Applicant : THE BOARD OF THE RUBBER RESEARCH INSTITUTE OF MALAYSIA, A MALAYSIAN BODY CORPORATE OF 260 JALAN AMPANG, KUALA LUMPUR 16-03, MALAYSIA.

Inventor : CHEN SEONG FONG.

Application for Patent No. 689/Del/86 filed on July 29, 1986.

Convention date August 20th 1985/8520832/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

8 Claims

A process for the production of epoxidised natural rubber from fresh natural rubber field latex which comprises the following steps:—

- (i) incubating the field latex with from 0.05 to 1 phr of proteolytic enzyme as herein described having an activity of 8.0 KNPU/g enzyme or 2.5 AUU/g enzyme for from 12 to 96 hours at from 25° to 60° at a pH suitable for the enzyme, in the presence of a non-ionic surfactant as herein described, the amount of said enzyme and said incubating conditions being such that the enzyme-treated field latex, when subsequently processed into epoxidised natural rubber latex, has improved coagulation and crepeing properties,
- (ii) epoxidising in a manner as herein described the enzyme-treated field latex to the desired mole % level of epoxidation,
- (iii) coagulating in a manner as herein described the epoxidised natural rubber latex, and
- (iv) crepeing, washing crubling and drying the epoxidised natural rubber.

Compl. Specn. 21 Pages.

Drg. Nil.

Ind. Cl. : 190A.

167855

Int. Cl.⁴ : F 02 K 3/00

A HEAT-RECOVERY APPARATUS.

Applicant : FOSTER WHEELER LIMITED, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNITED KINGDOM, OF STATION ROAD, READING, BERKSHIRE, RG1 1 LX, ENGLAND.

Inventor : GEOFFREY FREDERICK SKINNER

Application for the Patent No. 850/Del/86, filed on September 25, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

5 Claims

A heat recovery apparatus comprising a gas turbine (7) connected to a waste heat exchanger (1) for receiving hot exhaust gases from the turbine, said heat exchanger comprising a high pressure steam superheater (2) connected to a high pressure (3) feedwater heater, said high pressure steam superheater and said high pressure feedwater heater being located adjacent to each other directly in the path of the

exhaust gases, such that the exhaust gases first contact the superheater and thereafter pass directly to the feedwater heater; and an evaporator separate from the waste heat exchanger connected to aid feedwater heater and high pressure superheater.

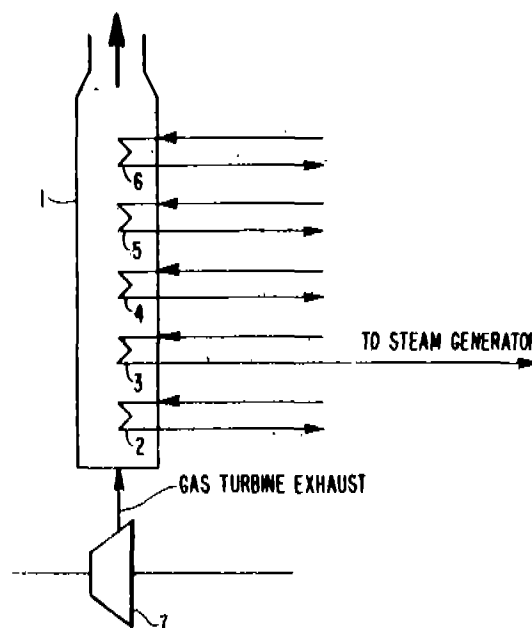


Fig. 2

Compl. Specn. 9 Pages.

Drg. 2 Sheets.

Ind. Cl. : 71 B XXVII (3) & 131 B XXVIII (3).

167856

Int. Cl.⁴ : E 21 B 19/00.

DUMP BLOCK FOR DRAGLINE BUCKET.

Applicant : ESCO CORPORATION, AN OREGON CORPORATION, OF 2141, N. W. 25 TH AVENUE, PORTLAND, OREGON 97210, UNITED STATES OF AMERICA.

Inventors : ROBERT LOUIS VANHOOMISSEN, TERRY LEE BRISCOE & DON PHILLIPS STOWE BARKER.

Application for the Patent No. 911/Del/86 filed on October, 14, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

16 Claims

A dump block (23) for a dragline bucket (10) comprising a cylinder (26) centrally located between two axially-spaced side plates (27, 28) weldably secured thereto to provide a rope-way for a dump rope (24) and a ring (38) rotatably disposed about the said cylinder (26), an oil reservoir (54) is provided inside the said cylinder (26) for continuous lubrication to the inner surfaces of the said ring (38) characterised in that the outer and inner surfaces of said ring (39) are provided with the plurality of replaceable arcuate inner plastic bearing segments (39) and outer plastic wear segments (40).

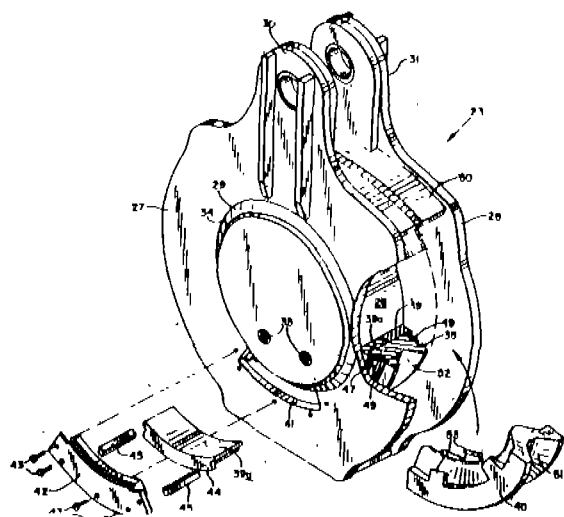
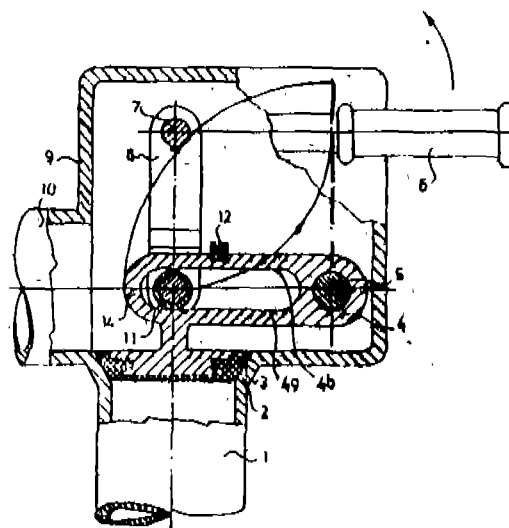


Fig. 2

Compl. Specn. 16 Pages.

Drg. 3 Sheets.



Compl. Specn. 12 Pages.

Drg. 2 Sheets.

Ind. Cl. : 195 B XXIX (3).
Int. Cl. : F 16 K-21/00.

167857

QUICK-ACTION VALVE WITH VALVE BODY AND FLAP FOR PIPES DELIVERING LIQUID OR GASEOUS MEDIUM.

Applicant : LAJOS SZEKELY, OF 1037 BUDAPEST, KOLOS-TOR U. 17, HUNGARY; ATTILA HAMORI, OF 1031 BUDAPEST, EMOD U. 70, HUNGARY AND MIKLOS VIDA, OF H-1117 BUDAPEST, BARYANYAI U. 27, HUNGARY.

Inventors : LAJOS SZEKELY, ATTILA HAMORI, MIKLOS VIDA & KAROLY KUNOS.

Application for Patent No. 914/Del/86 filed on October, 15, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

Quick-action valve with valve body (3) and flap, wherein the valve body is mounted on valve arm (4) turning around a shaft (5) arranged outside the centreline of valve seat (2), characterized in that running surfaces (4a or 13a) are arranged on the valve arm (4) or auxiliary arm (13) mounted on the said shaft, which supports a pressing element, suitably a roller (11) fixed to an actuating arm (8), the actuating arm being mounted on an auxiliary shaft (7) or fitted to the valve case (9) with such centre of rotation, as to have the roller (11) on the same plane with the valve arm (4), or auxiliary arm (13), and in the most tensioned dead centre position of the valve body (3) the running surface-part being in contact with the roller (11) being perpendicular or nearly perpendicular to the straight line connecting the auxiliary shaft (7) and roller (11).

Ind. Cl. : 39 C.
Int. Cl. : C 01 C 1/04.

167858

PROCESS FOR THE SYNTHESIS OF AMMONIA

Applicant : IMPERIAL CHEMICAL INDUSTRIES POLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW 1 P 3 JF, ENGLAND.

Inventors : TERENCE THISTLETHWAITE, JOHAN HERMAN HENDRIK TER MAAT & PETER JOHN DAVIDSON.

Application for Patent No. 955/Del/86 filed on October 29, 1986.

Convention date November 8th 1985 8527663/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

10 Claims

A process for the synthesis of ammonia comprising passing an ammonia synthesis gas containing hydrogen and nitrogen at a pressure of 20 to 250 bar abs. and temperature of between 300°C to 500°C over a catalyst, characterised in that said ammonia synthesis gas containing hydrogen and nitrogen is passed through a bed of shaped units of an iron containing catalyst obtained by the reduction of sintered iron oxide containing shaped catalyst precursor units having a substantially uniform cross section and a plurality of passages of substantially uniform cross section extending longitudinally there-through.

Compl. Specn. 26 Pages.

Drg. Nil.

Ind. Cl. : 126 C.

167859

Int. Cl.⁴ : G 10 R 11/00.**ELECTRONIC DIGITAL MAXIMUM DEMAND INDICATOR.**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 005, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : PROMOD KUMAR BASU, ASHISH DAS SHARMA, MD SAMSUZ ZOHA AND BENI MADHAB SAHA.

Application for Patent No. 872/Del/86 filed on November 5, 1986.

Complete Specification left on 21st January, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

2 Claims

An electronic digital maximum demand indicator which comprises a crystal clock (1) for generating a train of pulses connected to a timer counter (2) for counting pulses generated, the output of the timer counter (2) being connected to a multiplexer (3) for time multiplexing, the output of the multiplexer being connected to a decoder (4) for decoding binary signals to decimal form, the output of the decoder (4) being connected to a digital display (5) for providing decimal display of time, an analog to digital pick up (6) consisting of a slotted disc being fitted on the main rotating spindle of an analog energy meter, the said A/D pick up (6) the output of the pick up being connected to a KVAH counter (7) having two outputs, one for display of the cumulative value of KVAH and the other for the computation of the instantaneous value of KVAH, the output of the counter (7) is time multiplexed by cumulative multiplexer (8) which is being connected to a decoder (9), the output of the decoder (9) is displayed in the digital display (10), a data latch (11) to which the output of the counter (7) is connected and having two terminals, one being the activating terminal and the other being the output terminal, the activating terminal of the data latch (11) being connected to a decoder (12) which is connected to the timer counter (2), and to KVAH counter (7), an auto manual reset (26) being connected to the reset terminals of time counter (2) and KVAH counter (7) for resetting these counters when the main supply is switched ON as well as to reset them manually, the output terminal of the data latch (11) being connected to a multiplexer (13) for time multiplexing, the output of which is connected to decoder (14) for decoding binary signals to decimals, output of decoder (14) being connected to digital display (15), the output of the data latch (11) is also connected to another data latch (16) to hold the maximum value of the signal generated by the data latch (11), the output of the said another data latch (16) being connected to a magnitude comparator (17), the activation terminal of data latch (16) being connected to a time multiplexer (18) the output of which being connected to a digital display (20) through a decoder (19) a multiplex clock (21) being connected to the multiplexers (3), (8), (13) & (18) for time multiplexing and a plurality of digit drivers (22) (23) (24) (25) being connected between multiplex clock (21) and the corresponding digital displays (5, 10, 15, 20).

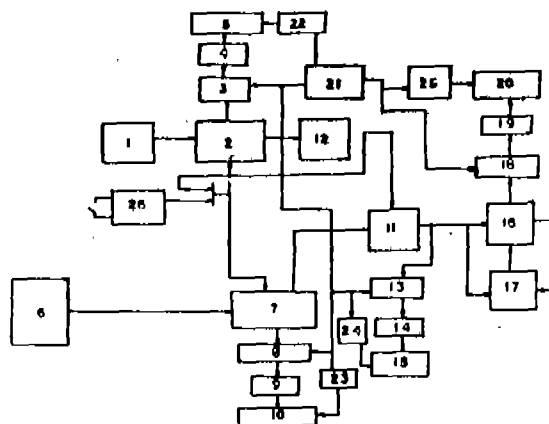


Fig. 1 : Basic Block Diagram of the Electronic Digital Maximum Demand Indicator.

Provisional Specification 7 Pages.

Dr. 1 Sheet.

Compl. Specn. 12 Pages.

Ind. Cl. : 170 A XLIII (4).

167860

Int. Cl. : C 11 D-1/00.

DETERGENT COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATES OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor : SUNHEE CHOI.

Application for Patent No. 1012/Del/86 filed on November 20, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims

A detergent composition for removal of oily soil from substrates as herein described, which comprises 2 to 4% of a synthetic organic non-ionic (1) detergent as herein described, 1 to 20% of cationic (2) surface active agent as herein described, .1 to 5% of a water soluble C₁₂ dicarboxylic (3) salts as herein described, and 5 to 80% of a water (4) soluble salts as herein described, with proportions of the first three said components being such that the combination of said nonionic detergent and said cationic surface active agent is a deterative proportion and that of the C₁₂ dicarboxylic salt is sufficient to improve the oily soil detergency of the combination of nonionic detergent and cationic surfactant in cold water.

Compl. Specn. 27 Pages.

Dr. 1 Sheet.

CLASS : 116-G; 164-C.
Int. Cl. : B 65 D 88/00.

167861

DISCHARGE UNIT IN CONTAINERS SUCH AS CYLINDRICAL SILOS OR BUNKERS, ESPECIALLY FOR SLUGGISH AND/OR CAKING PARTICULATE MATERIALS.

Applicant : FRIED KRUPP GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF ALTERNDORFER STRASSE 103, D-4300 ESSEN 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) WERNER RECKE, (2) MANFRED SCHWENDLER.

Application No. 125/Cal/87 filed on February 16, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

Discharge unit in containers such as cylindrical silos or bunkers, especially for sluggish and/or caking particulate materials, with at least one driven sweeping arm which rotates in the container above a floor provided with a discharge opening and is forwardly curved in the direction of rotation, characterized in that each sweeping arm (1) bears cutting members (6) directed towards at least the floor (4) and disposed at a close spacing (1) from and above the floor, for at least a part of their longitudinal extension.

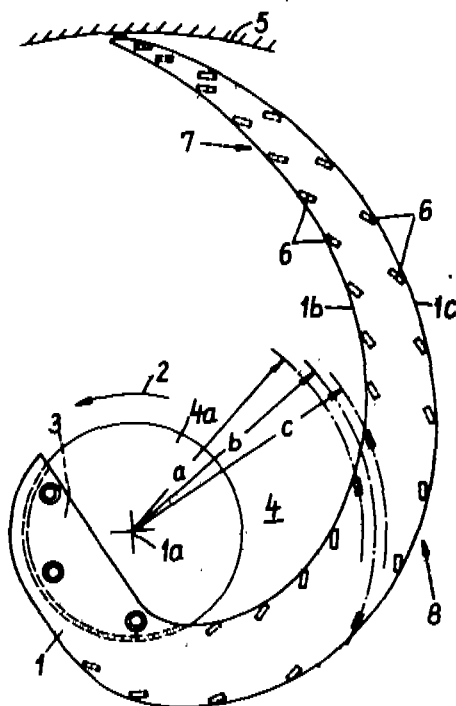


Fig. 1

Compl. Specn. 15 Pages.

Dwg. 4 Sheets.

CLASS : 107-G; 175-H.
Int. Cl. : F 01 b 17/02; F 16 j 1/00.

167862

PISTON FOR RECIPROCATING MACHINES EMPLOYING A COMPRESSION OF A GASEOUS FLUID AND MACHINES PROVIDED WITH SUCH A PISTON.

Applicant & Inventor : JEAN FREDERIC MELCHIOR, OF 126 BLD DU MONTAPARNASSE, 75 014 PARIS, FRANCE.

Application No. 538/Cal/1987 filed on July 13, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

19 Claims

A piston assembly for a reciprocating machine employing a compression of gaseous fluid, such as an internal or external combustion engine or a compressor, which comprises a body, has an axis, is adapted to slide in a cylinder of said machine and carries at least one continuous solid ring of revolution—i.e. with no split—having an outer surface which is cylindrical at least in a portion H of the height of the ring and has a generatrix parallel to said axis of the piston defining a cylindrical bearing portion, the ring having an inside diameter which is greater than an outside diameter of said body at least at every point of said height H of the cylindrical bearing portion confronting it, irrespective of the conditions of operation of said piston, and which includes means for supplying lubricating oil, characterised in that :

- the ring has, when it is not mounted in said cylinder and has the same temperature as said cylinder, an outside diameter equal to at least the inside diameter of the cylinder in a ratio substantially equal to 1.001;
- the ratio t/D of the maximum thickness t of the ring relative to the diameter D of the ring is, at every point of said height H , at the most equal to a limit $K = Plim/2\sigma_{el}$, in which $Plim$ is the minimum pressure of contact of the ring on the cylinder above which pressure seizing may occur, and σ_{el} is the elastic limit of the material of said ring;
- means are provided for connecting said ring to said piston body which are so adapted that said means can in no case result in creation, in operation, between said ring and said cylinder, of a pressure of contact higher than $Plim$; and
- the height H is sufficiently great to enable, in operation, the establishment between said ring and said cylinder of a hydrodynamic pressure permitting the creation of a sufficiently thick film of oil.

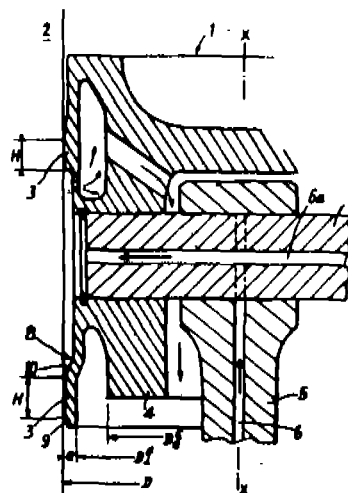


Fig. 3

Compl. Specn. 36 Pages.

Dwg. 4 Sheets.

CLASS : 160-A.
Int. Cl. : B 65 d 90/00.

167863

BODY FOR RECEIVING AND CARRYING HOT BULK CARGO.

Applicant : DNERPRODZERZHINSKY VAGONOS-
TROITELNY ZAVOID IMENI GAZETY "PRAVDA", OF DNEP-
RODZERZHINSK, USSR.

Inventors : (1) VELERY NIKIFOROVICH KUCHER, (2)
GRIGORY DEMYANOVICH ZHOVTOBRJ UKH, (3) ALEX-
ANDR ZAKHAROVICH PRPENKO.

Application No. 546/Cal/1987 filed on July 15, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents
Rules, 1972), Patents Office, Calcutta.

4 Claims

A body for receiving and carrying hot bulk cargo, having a framework with a base in the form of a frame made-up of transverse beams and longitudinal beams which are mounted for axial movement with respect to the transverse beams under temperature expansion and which are connected to the transverse beams by means of a joint restricting relative vertical displacement of the longitudinal and transverse beams, and a base plate pivotally connected to the frame and openable for unloading the hot bulk cargo.

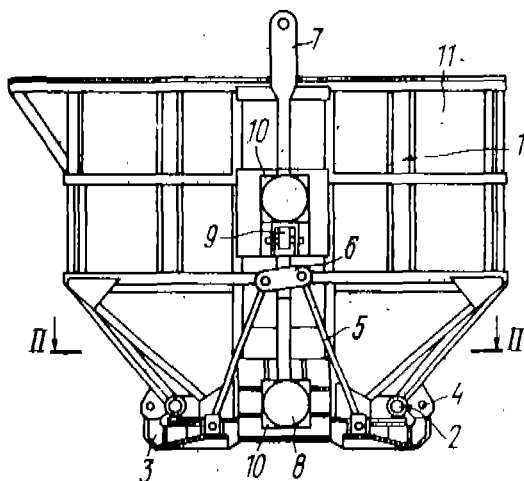


Fig. 1

Compl. Specn. 9 Pages.

Dr. 3 Sheets.

CLASS : 2, 4, 32.
Int. Cl. : C 09 b 19/00.

167864

A PROCESS FOR THE PREPARATION OF WATER SOLU- BLE TRIPHENDIOXAZINE COMPOUND.

Applicant : HOECHST AKTIENGESellschaft, D-6230,
FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF
GERMANY.

Inventors : (1) HARTMUT SPRINGER, (2) WALTER HEL-
MLING, (3) GUNTHER SCHWAIGER.

Application No. 578/Cal/87 filed on July 28, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents
Rules, 1972), Patent Office, Calcutta.

13 Claims

1. A process for the preparation of a water-soluble triphen-
dioxazine compound which corresponds to the formula (I) of the
accompanying drawings.

in which :

B is an oxygen or sulfur atom or an amino group of the for-
mula --NH-- or --N(R')--

in which

R' is an alkyl group having 1 to 6 carbon atoms :

R* is a hydrogen atom or an optionally substituted alkyl group
having 1 to 4 carbon atoms or an optionally substituted
aryl radical;

W is a divalent, aliphatic radical or a (C₃-C₁₀)-cyclo-aliphatic
radical which is optionally substituted by alkyl having 1 to
carbon atoms, or an aliphatic-(C₃-C₈)-cycloaliphatic
radical which is optionally substituted by alkyl having 1 to
carbon atoms, it being possible for the aliphatic radicals
to be interrupted by hetero groups selected from the
groups --O-- , --S-- , $\text{--SO}_2\text{--}$, --CO-- , 1, 4-piperidino, --NH-- and
 --N(R'')-- in which R'' has one of the meanings of R' or is an
alkanoyl group having 2 to 5 carbon atoms, and

W¹ has one of the meanings indicated for W and is identical
with or different from W, or the grouping --B-W-N(R'')--
and the grouping --N(R'')-W-B-- , which are identical with
or different from one another, each, as a group, represent
the divalent radical of a five-membered or six-membered,
saturated heterocyclic structure containing two nitrogen
atoms, or

the grouping --B-W-- and the grouping --W-B-- , which are identi-
cal with or different from one another, each, as a group,
represent the divalent radical of a five-membered or six-
membered, saturated heterocyclic structure which con-
tains two nitrogen atoms and which is attached by means
of one of the two nitrogen atoms, via an alkylene group
having 2 to 4 carbon atoms, to the grouping --N(R'')-A or
 A-N(R'')-- , respectively;

A is a radical of the formula (2a) or (2b) in which

Z is a phenyl radical or a naphthyl radical, both of which
are substituted, at least one of these substituents being a
group imparting solubility in water;

X¹ is a hydrogen atom, a halogen atom, an alkyl group having
1 to 4 carbon atoms, an alkoxy group having 1 to 4 carbon
atoms or an optionally substituted aryl radical;

X^2 is identical with or different from X^1 and has one of the meanings indicated for X^1 ;

Y is the vinyl group, or an ethyl group containing, in the β -position, a substituent which can be eliminated by means of an alkali;

the group $-SO_2-Y$ is preferably attached in the ortho-position relative to the group $-B-W-N(R^*)-A$ or $A-N(R^*)-W-B$, and

the formula (1) contains at least two of the sulfo groups which can be present in the formula (1), which comprises cyclizing a compound of the general formula (4) in which Y is the vinyl group, the hydroxyethyl group or an ethyl group containing, in the β -position, a substituent which can be eliminated by means of an alkali, such as one of those mentioned for Y , and is preferably the β -hydroxyethyl group. A' has the meaning of A , but the groups Z do not necessarily have to contain a sulfo group, and B , R^* , W , W^1 , X^1 and X^2 have the above-mentioned meanings, and substituted alkyl groups in these radicals can also be hydroxy-substituted alkyl groups, the groups $-SO_2-Y$ are preferably attached in the ortho-position relative to the group B , and the benzene nuclei must not be substituted in one of the ortho-positions relative to the amino groups $-NH-$ indicated, in a sulfuric acid medium consisting of 96-100% sulfuric acid or sulfuric acid containing upto 50% by weight of sulfur trioxide, in the presence of an oxidizing agent, such as sulfur trioxide, ammonium persulfate, an alkali metal persulfate, iodine or an inorganic iodine compound or sodium perborate, and at a temperature between 0°C and 60°C , to give the triphenyldioxazine, and, if required introducing one or more sulfo groups into an aryl radical of the triphenyldioxazine during or after the cyclization, in a known manner.

Compl. Specn. 42 Pages.

Drgs. 5 Sheets.

CLASS : 179-F.
Int. Cl. : B 65 d 6/00.

167865

IMPROVED TRANSPORT/STORAGE CONTAINER SUPPORT STRUCTURE ASSEMBLY.

Applicant : SOTRALENTZ S.A., OF 24, RUE DU PROFESSEUR-FROEHLICH F-67 320 DRULINGEN, FRANCE.

Inventors : (1) ERWIN JUNGLES, (2) PIERRE PFEIFFER, (3) BENOIT-CHEVAL, (4) PAUL SIGWAIT.

Application No. 590/Cal/87 filed on July 30, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

An improved transport support structure storage container assembly containing a flowable material comprising a container base in the form of a pallet with a plurality of planks positioned parallel to each other having a plurality of supporting surfaces, an inner container in the form of a substantially rectangular parallel piped plastic tank with a plurality of rounded edges and corners and a support structure which at least peripherally surrounds said inner container,

said support structure having a support cage comprising a plurality of vertical and horizontal steel rods which are welded together at crossing points and are connected to a lower and an upper steel frame by welding, said lower steel frame having an L-shape cross section and being mounted with a horizontal flange thereof on said supporting surfaces, the improvement which comprises,

a plurality of flat steel bars generally transverse to said planks and welded to opposite sides of said lower steel frame, said flat steel bars simultaneously stabilizing said lower steel frame, said pallet and said support structure, and

a plurality of corner reinforcing members mounted on said upper steel frame for further stabilizing said support structure.

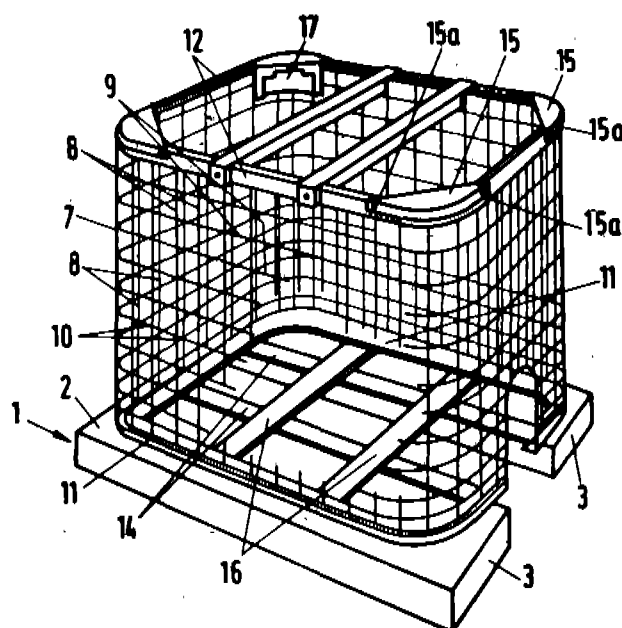


Fig. 1

Compl. Specn. 15 Pages.

Drg. 2 Sheets.

CLASS : 107-K.
Int. Cl. : F 16 C 3/00; F 16 h 53/00.

167866

PROCESS FOR PRODUCING AN ASSEMBLED CAMSHAFT.

Applicant : EMITEC GESELLSCHAFT FUR EMISSIONS TECHNOLOGIE MBH, OF HAUPTSTRASSE 150, 5204 LOHMAR 1, W. GERMANY.

Inventors : (1) HANS-JÜRGEN BREUER, (2) WOLFGANG MAUS, (3) RUDOLF SCHULZE, (4) HELMUT SWARS, (5) HANS HANSWILLELMELKE, (6) HARMUT RIEMSCHEID, (7) KARL WEISS, (8) HERBERT PRIELINGSDORF, (9) ENGELBERT SCHWARZ, (10) HERIBERT GREWE, (11) KLAUS GREULICH.

Application No. 742/Cal/87 filed on September 17, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

A process for producing an assembled camshaft or the like comprising mounting at least one slid-on element such as control cams, bearing rings, gear wheels or bevel gears on a shaft tube followed by expanding the said shaft tube in the region of the elements by applying internal pressure, characterized by subjecting the entire material of the longitudinal shaft tube portion associated with said one element mounted thereon to plastic deformation such that the internal surface of the said element is displaced by the plastic deformed portion of the tube and is held therein, while the surface layer of the material of the said element in question assumes the condition of elastic deformation.

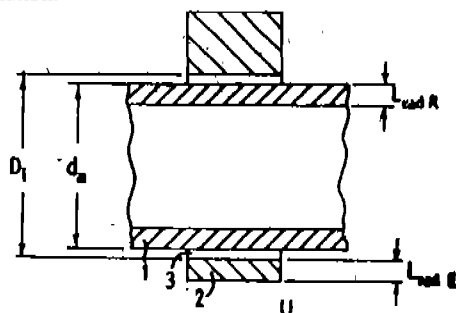


Fig. 1a

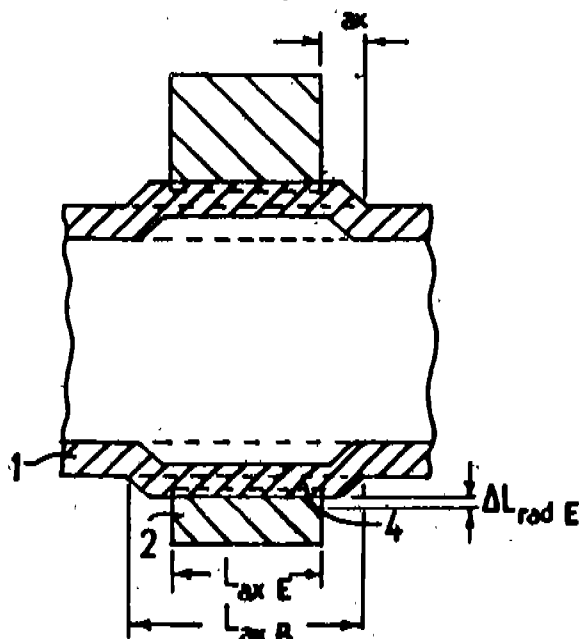


Fig. 1b

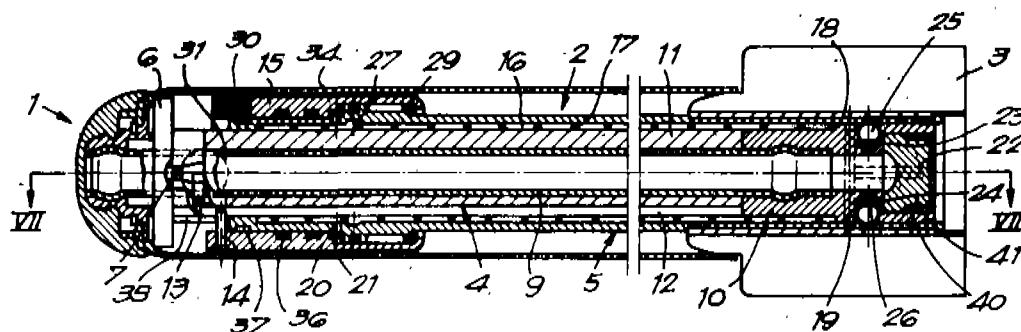


Fig. 1

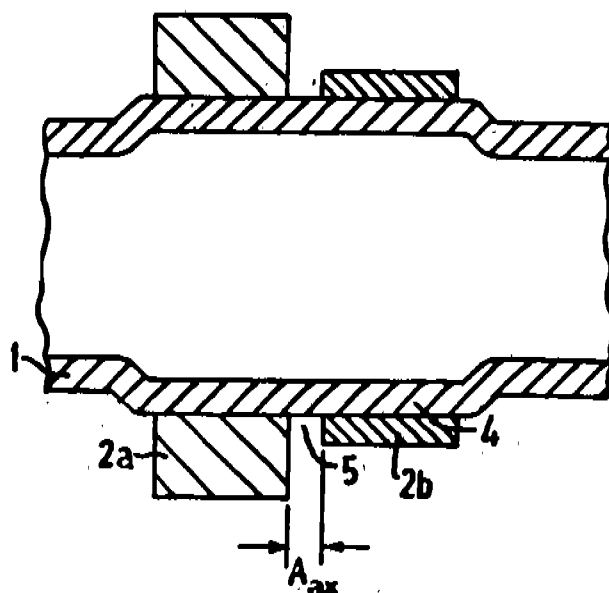


Fig. 1c

Compl. Specn. 13 Pages.

Drg. 2 Sheets.

Class : 10-F.

167867

Int. Cl. : F 42 b 3/00.

TELESCOPIC GRENADE.

Applicant : FABRIQUE NATIONALE HERSTAL, AT 4400 IHERSTAL, BELGIUM.

Inventor : ANDRE GABRIELS.

Application No. 765/Cal/87 filed on September 25, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Calcutta.

11 Claims

Telescopic grenade of the type with one head (1) extended by a tubular tail (2) that contains an explosive charge (11) as well as a detonator chain (7-30-31) for the latter and with the aforesaid tail (2) made of two telescopic tubular parts (4-5) of which one (4) is firmly attached to the aforesaid head (1) and carries, together with the latter, two sections (7-31) of the aforesaid detonator chain, and of which the other (5) carries the remaining section (30) of this chain, with the grenade provided with guiding means (12-13-14) distributed over the aforesaid two parts (4-5) in order to assign them an angular position depending on their relative axial position, characterized in that the grenade comprises safety means (29-35) for ensuring safety in the transport/storage position; and means (22-19-20-21-29) for determining under the effect of the propellant gases, the relative position, between the component parts (5-15) of the tail (2).

Compl. Specn. 13 Pages.

Drgs. 4 Sheets.

CLASS : 119-B, C, D.
Int. Cl. : D 03 d 37/00.

167868

CIRCULAR LOOM FOR PRODUCING LENO FABRIC.

Applicant & Inventor: FRANZ XAVER STARLINGER-HUEMER, OF SONNENUHRGASSE 4, 1060 VIENNA, AUSTRIA:

Application No. 883/Cal/87 filed on November 10, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims

A circular loom for producing leno fabric comprising inner and outer partial healds arranged circularly in two rows around a main shaft of the loom, said partial healds arranged in pairs for the guidance of a part of the two annularly distributed warp yarn groups, which, for the formation of the weaving or travelling shed, are given an oppositely phased up-and-down reciprocating motion by way of the loom main shaft characterized in that for the arrangement of the leno thread (51) running lengthwise to the ground thread (50), two neighbouring warp threads (50, 51), for producing a leno fabric displacement means (60 to 90) engage at least one partial heald (7) of a partial heald pair (6, 7) after each shedding movement to bring about the instantaneous lateral relative counter-displacement; and that the warp threads of one partial heald of a partial heald pair are guided freely by thread guide means (24) to bring about shedding, and, on the other partial heald, to bring about a side change.

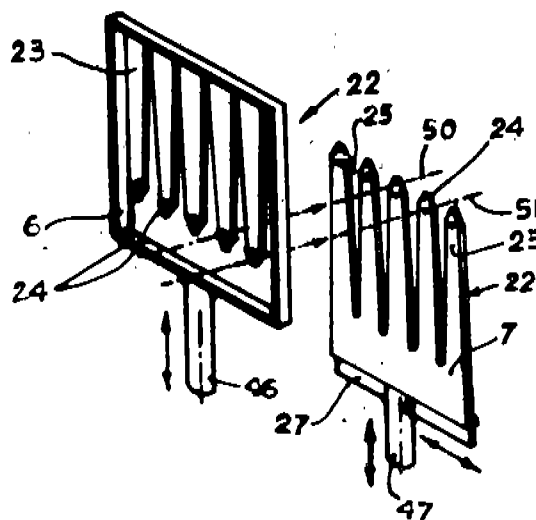


Fig. 3

Compl. Specn. 19 Pages.

1 Drg. 3 Sheets.

CLASS : 136-E.
Int. Cl. : B 29 c 47/00.

167869

A PROCESS FOR THE MANUFACTURE OF TUBULAR ARTICLE MADE FROM PLASTICS FOR THE FABRICATION OF SACKS.

Applicant & Inventor: FRANZ XAVER STARLINGER-HUEMER, OF SONNENUHRGASSE 4, 1060 VIENNA, AUSTRIA.

Application No. 884/Cal/87 filed on November 10, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

A process for the manufacture of tubular article made from plastics for the purpose of fabrication of sacks, the said process comprising making at least one tubular extrudate from a thermoplastic film, reinforcing said extrudate with narrow strands or tapes made from plastic and extruded around the circumference and/or along the length thereof, and applying a second tubular covering or jacket extrudate made from a thermoplastic film onto said first reinforced plastic film, thereby bonding the assembly together in a soft and warm condition, characterised in that said second tubular plastic film is applied in the form of at least one individual, preferably continuously delivered film run or web, said film run being welded or bonded together at its edges, thus forming the tubular covering or jacket film.

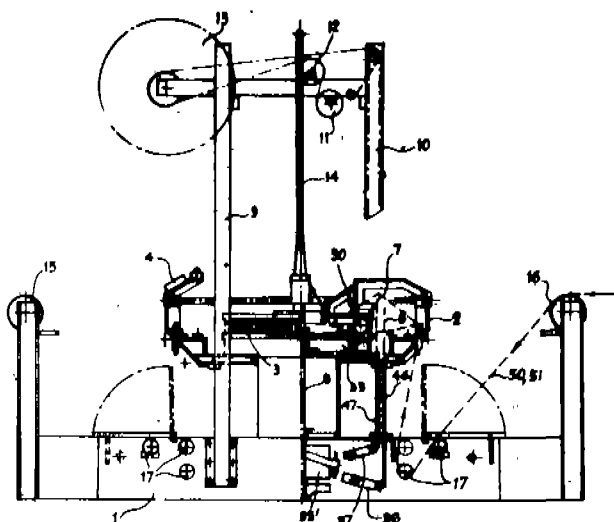


Fig. 1

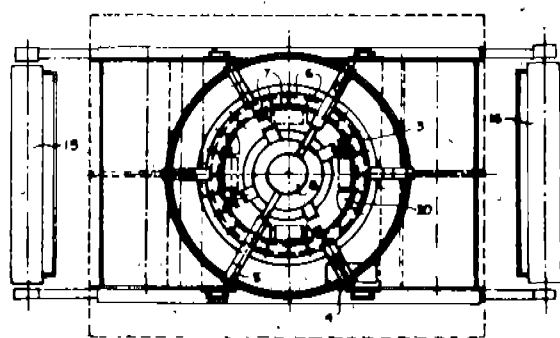


Fig. 2

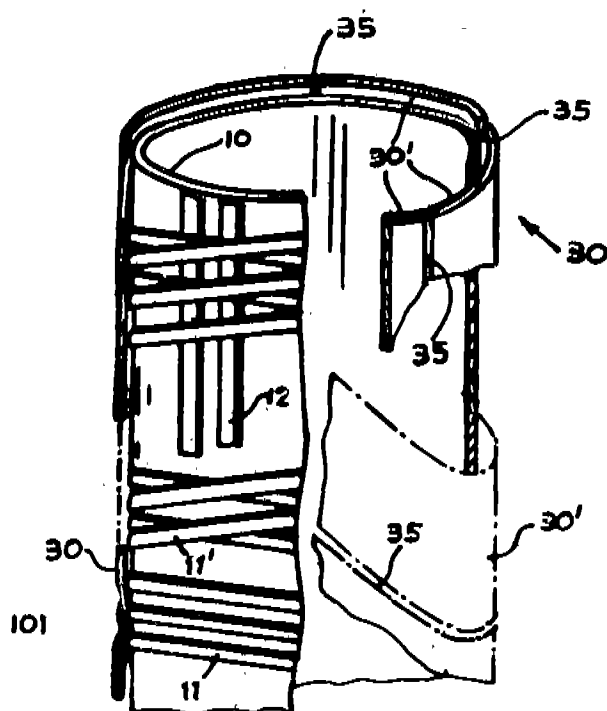


Fig. 1

Compl. Specn. 16 Pages.

Drg. 1 Sheet.

CLASS : 187-A.

167870

Int. Cl. : H 01 r 9/00.

CONNECTOR BANK FOR TELECOMMUNICATION DEVICE.

Applicant : KRONE AKTIENGESELLSCHAFT, OF BEES-KOWDAMM 3-11, D-1000 BERLIN 37, WEST GERMANY.

Inventor : EBERHARD KLAIBER.

Application No. 923/Cal/87 filed on November 25, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

Connector bank for telecommunication devices comprising a plastic housing with at least a series of connection contacts for cable wires arranged in connection chambers, in particular for dropwire cable wires, and with a series of contact elements formed in plug sockets for over voltage suppressors, characterised in that a second series of plug sockets (13) being provided in the plastic housing in the space adjacent to the over voltage suppressors (5) in the plastic housing (1) said plug sockets comprising pick-up contacts adapted to hold test plugs (9), said plug sockets (13) being arranged between two adjacent accommodation chambers (19) of the series (2, 3) of connection contacts (4).

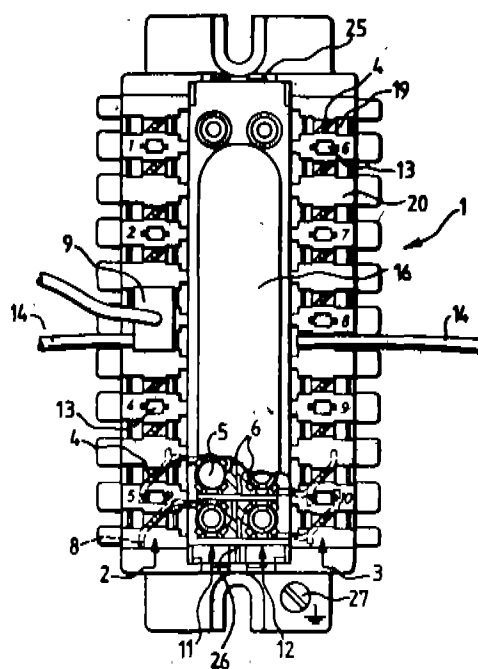


Fig. 1

Compl. Specn. 8 Pages.

Drg. 2 Sheets.

Name Index of Applicants for Patents for the Month of September 1990 (No. 752/Cal/90 to 833/Cal/90, 231/Bom/90 to 254/Bom/90, 697/Mas/90 to 769/Mas/90 and 877/Del/90 to 952/Del/90.

Name & Appln. No.

CALCUTTA

—A—

Aeg Westinghouse Transportation System, Inc.—817/Cal/90.

American Cyanamid Co.—832/Cal/90.

American Home Products Corporation.—833/Cal/90.

Aseulai, S. S. (Dr.).—821/Cal/90.

Atochem North America, Inc.—797/Cal/90.

—B—

B. V. Optische Industrie "De Oude Delf".—831/Cal/90.

Babcock & Wilcox Co. The. 756/Cal/90, 765/Cal/90, 770/Cal/90, 774/Cal/90.

Beloit Corporation.—761/Cal/90, 762/Cal/90.

Bhalotia, J. P.—787/Cal/90.

Name & Appln. No.	Name & Appln. No.
—C—	—K—
Chakraborty, P.—777/Cal/90.	Knees Industries Pty. Ltd.—810/Cal/90.
Chiron Corporation.—801/Cal/90, 802/Cal/90, 805/Cal/90, 808/Cal/90.	Krone Aktiengesellschaft.—822/Cal/90.
Combustion Engineering, Inc.—828/Cal/90.	—L—
Commodore-Amica Inc.—830/Cal/90.	Lanxide Technology Co. LP.—786/Cal/90.
Computainer Systems, Inc.—809/Cal/90.	—M—
—D—	Macrovision Corporation.—766/Cal/90.
Das, S.—820/Cal/90.	Merck Patent Gesellschaft Mit Beschränkter Haftung.—753/Cal/90, 754/Cal/90.
Das, S. N. 820/Cal/90.	Mitsuba Electric Manufacturing Co. Ltd.—773/Cal/90.
—E—	Munters Euroform GmbH.—771/Cal/90.
E. I. Du Pont De Nemours & Co.—778/Cal/90, 784/Cal/90, 813/Cal/90, 814/Cal/90.	—P—
Elpatronic Ag.—818/Cal/90.	P. H. Glatfelter Co.—827/Cal/90.
Envirex Inc.—767/Cal/90.	Pagala, V. (Mrs.).—769/Cal/90.
—F—	Phillips Petroleum Co.—763/Cal/90.
Falk, R. E.—(Dr.).—821/Cal/90.	Projects & Development India Ltd.—779/Cal/90.
—G—	—R—
General Electric Co.—760/Cal/90, 789/Cal/90, 790/Cal/90, 791/Cal/90, 792/Cal/90, 793/Cal/90, 794/Cal/90, 798/Cal/90, 799/Cal/90.	Ray, N. G.—768/Cal/90.
Gosudarstvenny Nauchno-Issledovatel'skiy Proektny Institut Azotnoi Promyshlennosti I Produktov Organi Cheskogo Sinteza (Giap).—776/Cal/90.	Reland Industries, Inc.—823/Cal/90, 824/Cal/90.
Gould, Inc.—788/Cal/90.	—S—
—H—	Samsung Electron Devices Co. Ltd.—755/Cal/90, 757/Cal/90, 758/Cal/90, 759/Cal/90, 800/Cal/90, 819/Cal/90.
Henry K. Obermeyer.—807/Cal/90.	Sardana, V. K. (Mr.).—825/Cal/90.
Hitachi Ltd.—796/Cal/90.	Sarma, U. V. S.—785/Cal/90.
Hollandse Signaalapparaten B. V. 795/Cal/90.	Satake Engineering Co. Ltd.—815/Cal/90, 816/Cal/90.
—I—	Siemens Aktiengesellschaft.—775/Cal/90, 783/Cal/90, 812/Cal/90.
ICI India Ltd.—811/Cal/90.	Somar Corporation.—772/Cal/90.
—J—	—T—
Johnson & Johnson Medical, Inc.—829/Cal/90.	Thyssen Stahl Aktiengesellschaft.—764/Cal/90.
Johs Krause GmbH Maschinenfabrik.—752/Cal/90.	—U—
	Uzeta, L. A. M.—781/Cal/90.

Name & Appln. No.

—V—

Vsesojuzny Nauchno-Issledovatel'sky Institut Kompleksnogo
Ispolzovania Molochnogo Syrya Ussr.—806/Cal/90.

—W—

Westinghouse Electric Corporation.—803/Cal/90, 804/Cal/90,
826/Cal/90.

Wisconsin Alumni Research Foundation.—780/Cal/90.

—Z—

Zeuna-Starker GmbH & Co.—782/Cal/90.

BOMBAY

—A—

Agrawal M.—233/Bom/90.

Ahmedabad Textile Industry's Research Association.—
246/Bom/90.

Aja Elcon Pvt. Ltd.—237/Bom/90.

—B—

Bakliwal, N. K. K.—252/Bom/90.

Balakrishnan, M.—242/Bom/90.

Bhawalkar, A. P.—250/Bom/90.

Billot, M. J. C. L. D.—238/Bom/90.

—G—

Gangal, A. B.—253/Bom/90.

Gogate, P. G.—251/Bom/90.

—H—

Hindustan Lever Ltd.—240/Bom/90.

—K—

Kazi, M. B. B.—244/Bom/90, 245/Bom/90.

Krishnamurthy, V.—243/Bom/90, 248/Bom/90.

—L—

Lele, S. G.—253/Bom/90.

—N—

Narayan, V.—234/Bom/90.

—P—

Pandya, B. L.—234/Bom/90.

Paramount Sinters Pvt. Ltd.—232/Bom/90.

Patel, A. K.—235/Bom/90.

Patel, D. K.—235/Bom/90.

Name & Appln. No.

P—Contd.

Ponnawala, D. C.—231/Bom/90.

Praj Counseltech Pvt. Ltd.—241/Bom/90.

—R—

Ranadive, H. M.—254/Bom/90.

—S—

Safari Industries (India) Ltd.—236/Bom/90.

—T—

Tata Unisya Ltd.—249/Bom/90.

—V—

Vesoya, B. H.—247/Bom/90.

MADRAS

—A—

Agar Corporation Ltd.—763/Mas/90.

AMSTED Industries Incorporated.—703/Mas/90.

Aplicator System AB.—755/Mas/90.

Astra Research Centre India.—726/Mas/90, 727/Mas/90.

Ausmelt Pty. Ltd.—764/Mas/90.

—B—

BASF Corporation.—720/Mas/90.

Board of Regents of the University of Washington, The.—729/
Mas/90, 730/Mas/90.

Brasmag Companhia Brasileira De Magnésio.—712/Mas/90,
713/Mas/90.

British-American Tobacco Co. Ltd.—735/Mas/90, 736/Mas/90.

—C—

Carbon Implants Inc.—753/Mas/90.

Caterpillar Inc.—711/Mas/90.

Charles, E. G.—697/Mas/90.

Charles Stark Draper Laboratory Inc. The.—710/Mas/90,
719/Mas/90.

Chevron Research & Technology Co.—699/Mas/90, 700/Mas/90, 701/
Mas/90, 702/Mas/90.

Coshua, V.—742/Mas/90.

—D—

Dana Corporation.—704/Mas/90.

Detia Freyberg GmbH.—768/Mas/90.

Dow Chemical Co., The.—722/Mas/90.

Name & Appln. No.	Name & Appln. No.
—E—	—U—
Enimont Anic S.r.l.—766/Mas/90, 767/Mas/90.	Union Carbide Chemicals & Plastics Co. Inc.—714/Mas/90, 715/Mas/90, 769/Mas/90.
—H—	Union Carbide Corporation.—762/Mas/90.
Himont Incorporated.—731/Mas/90.	Union Oil Co. of California.—749/Mas/90, 750/Mas/90, 751/Mas/90, 752/Mas/90, 756/Mas/90, 757/Mas/90.
Hoogovens Groep B. V.—748/Mas/90	Usinor Sacilor.—733/Mas/90.
—I—	—V—
India Pistons Ltd.—725/Mas/90.	Venugopal, M.—765/Mas/90.
Indian Space Research Organisation.—709/Mas/90, 746/Mas/90.	—W—
Institut De Recherches De La Siderurgie Francalse (IRSID en abrego).—734/Mas/90.	Wacker-Chemie GmbH.—717/Mas/90.
International Business Machines Corporation.—759/Mas/90, 760/Mas/90, 761/Mas/90.	—Z—
Interox Chemicals Ltd.—738/Mas/90, 758/Mas/90.	Zellweger Uster AG.—721/Mas/90.
—J—	DELHI
I.V.S. Electronics Pvt. Ltd.—708/Mas/90.	—A—
—K—	AEG Westinghouse Industrial Automation Corporation.—899/Del/90.
Korea Research Institut of Chemical Technology.—743/Mas/90, 744/Mas/90, 745/Mas/90.	A. G. (Patents) Ltd.—921/Del/90.
Krishna, R. T. I.—707/Mas/90.	Aggarwal, N. K.—945/Del/90.
—M—	Airtech Pvt. Ltd.—892/Del/90.
Malhoutra, U.—747/Mas/90.	Alenax Corporation.—918/Del/90.
Maschinenfabrik Rieter AG.—718/Mas/90, 724/Mas/90, 739/Mas/90, 740/Mas/90, 741/Mas/90.	—B—
Merlin Gerin.—754/Mas/90.	B. F. Goodrich Co. The.—902/Del/90.
Minnesota Mining & Manufacturing Co.—730/Mas/90.	—C—
Muralidharan, P. N.—737/Mas/90.	C. R. Bard. Inc.—919/Del/90
—P—	Chauhan, B. P. S.—946/Del/90.
PLG. Research Ltd.—723/Mas/90.	Chaul, C. F.—926/Del/90.
Plasma Energy Corporation.—728/Mas/90.	Chief Controller, Research & Development, The.—929/Del/90.
Prakash, K. N.—706/Mas/90.	Council of Scientific & Industrial Research.—884/Del/90, 885/Del/90, 886/Del/90, 887/Del/90, 888/Del/90, 889/Del/90, 906/Del/90, 907/Del/90, 930/Del/90, 931/Del/90, 932/Del/90, 933/Del/90, 934/Del/90, 935/Del/90, 936/Del/90, 937/Del/90, 938/Del/90.
Prasad, A. J. (Dr.).—698/Mas/90.	—D—
—R—	DE Beers Industrial Diamond Division (Proprietary) Ltd.—916/Del/90, 917/Del/90.
Rhone-Poulenc Sante.—716/Mas/90.	Devilbiss Co. Ltd., The.—890/Del/90.
—S—	Dynavac Maschinenbau GMBH.—912/Del/90.
Sandoz Ltd.—732/Mas/90, 752/Mas/90.	Dwight Darling.—952/Del/90.
Sitraplast Construction (S) Plc. Ltd.—751/Mas/90.	—E—
—T—	Ethyl Corporation.—940/Del/90, 941/Del/90.
Thomas, P. X.—705/Mas/90.	Exxon Chemical Patents Inc.—901/Del/90, 903/Del/90.

Name & Appln. No.

—G—

Gallay S. A.—891/Del/90.

Gomez, L. C.—911/Del/90.

—I—

Imax Systems Corporation.—896/Del/90, 897/Del/90.

—J—

JWI Ltd.—925/Del/90.

—K—

Kabushiki Kaisha Toshiba.—877/Del/90.

Kapoor, B. Smt.—881/Del/90, 882/Del/90, 883/Del/90, 951/Del/90.

Khetrapal, J.—878/Del/90, 879/Del/90.

Khetrapal, J. D. Prof.—881/Del/90, 882/Del/90, 883/Del/90, 951/Del/90.

Khetrapal, R. Mr.—881/Del/90, 882/Del/90, 883/Del/90, 951/Del/90.

Khetrapal, S. Mrs.—881/Del/90, 882/Del/90, 883/Del/90, 951/Del/90.

—L—

Lubrizol Corporation The.—927/Del/90.

—N—

Nanduri, V.—910/Del/90.

National Council For Cement & Building Materials.—947/Del/90, 948/Del/90, 949/Del/90.

—P—

PPG Industries, Inc.—922/Del/90, 923/Del/90.

Pfizer Hospital Products Group, Inc.—942/Del/90, 943/Del/90, 944/Del/90.

Plessey Co. Ltd. The.—898/Del/90.

Poclain Hydraulics.—913/Del/90.

Prasad, R.—920/Del/90.

—Q—

Qidwai, M. S.—908/Del/90 & 909/Del/90.

—R—

Ranbaxy Laboratories Ltd.—893/Del/90.

Rao, M. S.—895/Del/90.

Richardson-Vicks, Inc.—894/Del/90.

Name & Appln. No.

—S—

Sah Industrial Research Institute.—900/Del/90.

Schuster, V.—914/Del/90.

Secretary, Deptt. of Science & Technology, The.—924/Del/90.

Singh, A.—905/Del/90.

Singh, G.—904/Del/90.

Smiths Industries Public Ltd. Co.—950/Del/90.

Somerville, W. D.—915/Del/90.

—T—

Time Ticket International Ltd.—928/Del/90.

—W—

Warner Lambert Co.—939/Del/90.

Widen Innovation AB.—880/Del/90.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration in the entry.

Class 3. No. 162275. Crystal Plastics & Metallizing Private Limited, Sandhi House, Palkhi Galli, Off Veer Savarkar Marg, Prabhadevi, Bombay-400025, Maharashtra, India. "Comb". July 5, 1990.

Class 3. No. 162352. Dabur India Limited, Indian Company of 22-Site-IV, Sahibabad, Ghaziabad, U. P., India. "Bottle". 4th July, 1990.

Class 3. No. 162404. Farheen Laboratory & Industries, M. B. House, 4th floor, 79, Ghoga Street, Fort, Bombay-1, Maharashtra, India, Indian Proprietary Firm. "Bottle". August 7, 1990.

Class 10. Nos. 162343 and 162344. Bata India Ltd., 30, Shakespeare Sarani, Calcutta-700017, W. B., India. "Footwear". July 18, 1990.

Copyright extended for the second period of five years.

Nos. 155073 and 155074 — Class 1.
Nos. 161939 and 161893 — Class 3.

Copyright extended for the third period of five years.

Nos. 161939 and 161893 — Class 3.

R. A. ACHARY
Controller General of Patent
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